

FLUKE®



2014-2015

PROCESS CALIBRATION TOOLS CATALOGUE

Electrical, Multifunction,
and mA Loop Calibration

Pressure Calibration

Temperature Calibration

Data Acquisition

Process Calibration

Precision, performance, confidence.™



Tools

**Maximise uptime.
Minimise downtime.**

Why Calibrate?

The need to achieve consistent results is one of the most important reasons why we calibrate.

Accuracy is an important feature of a calibrator. You may need a particular level of accuracy to comply with standards that specify a test accuracy ratio (TAR) or test uncertainty ratio (TUR). For example, many standards require a 4:1 ratio between the specified tolerance of the device under test (DUT) and the accuracy or uncertainty of the calibration equipment. However, accuracy is also important because when accurate standards are used most of the time, downtime only needs to be long enough to verify that the instruments are still in tolerance. However, with inaccurate calibration standards, more borderline and out-of-tolerance indications are found. This means that a routine verification turns into an additional adjustment procedure and a final verification at each of the test points to prove the "as left" condition is in tolerance. This more than doubles the downtime and the technician time involved in completing the calibration. This is because inaccurate standards tend to not be consistent with each other causing us to make more adjustments to correct phantom errors.

PROCESS CALIBRATION

Maintenance Manager

Focus: Maintaining plant uptime and maintenance efficiency.

What issues do you face?

- Ensuring continuous uptime
- Maintaining good ROI for equipment
- Compliance
- Process improvement
- Increase efficiency

Quality Manager

Focus: Maintaining and documenting product quality

What issues do you face?

- Complying with quality regulations
- Maintaining documentation of processes

Field Calibration Technician

Focus: Calibrating and verifying measurement devices

What issues do you face?

- Making accurate measurements
- Documenting procedures
- Increasing throughput

Instrumentation Technician

Focus: Maintaining and verifying instrumentation throughout the plant

What issues do you face?

- Monitor and maintain sensors and transmissions
- Accurate measurements

Bench Pressure Controller	Deadweight Testers	Handheld Pressure Calibrators	Pressure Gauge
 6241	 6532 3120	 750 719PRO 721	 700G
mA Loop Calibrator	Precision Multimeter	Process Calibrators	
 773	 8846A	 725 754 789	 7526A
Infrared Calibrator	Temperature Readouts and Probes	Bench Temperature Sources	Software Solutions
 4181	 1524 PROBES	 9100S 9144	 DPC/TRACK2

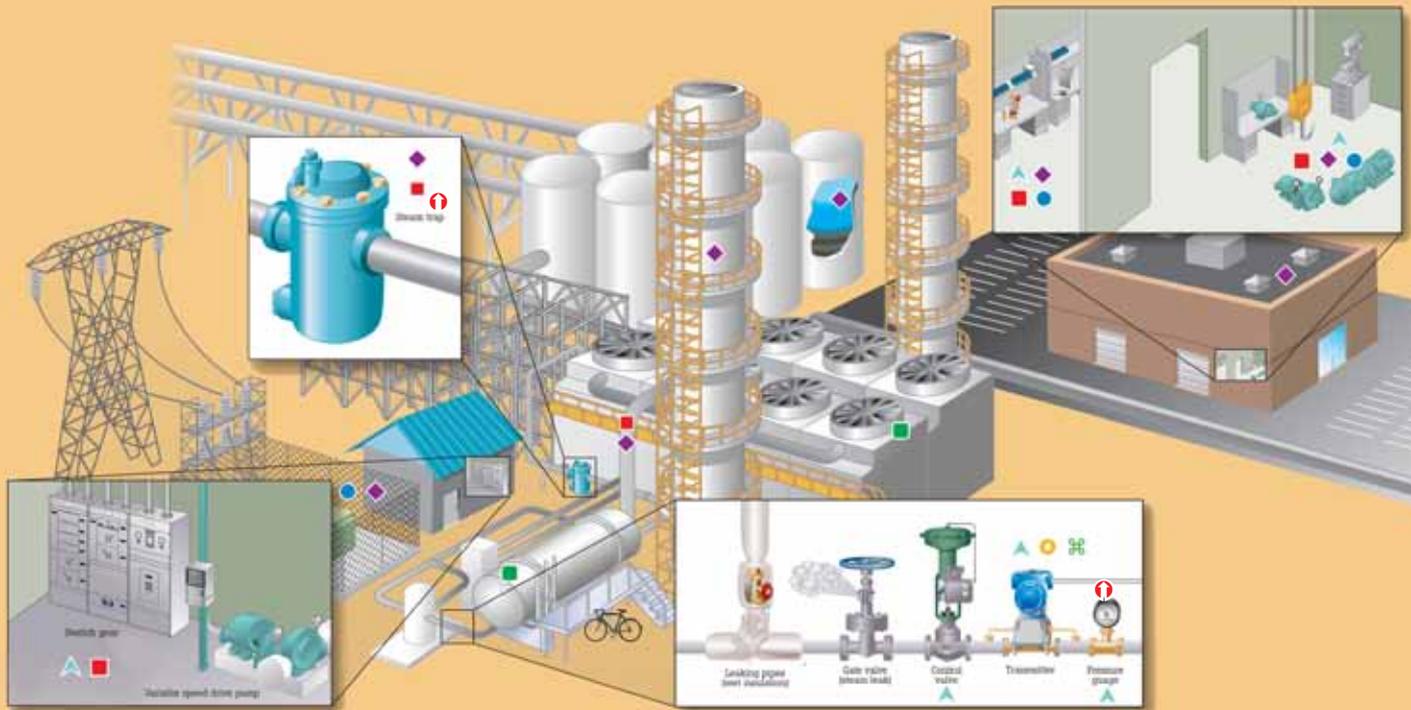
Process Calibration Solutions

Learn more
Fluke Process Calibration
Solutions at
<http://au.fluke.com/PCT>

Based on you. Built by Fluke



SOLUTIONS



* Diagram is not intended to be an exact representation. Diagram components are not to scale and are for illustration purposes only.



New PCT products from Fluke



Fluke 1586A Super-DAQ Precision Temperature Scanner

The 1586A Super-DAQ is the most accurate and flexible temperature data acquisition system on the market. It scans and records temperature, DC voltage, DC current and resistance for up to 40 input channels and scan speeds as fast as 10 channels per second. The Super-DAQ can be configured for use as a multi-channel data logger in the factory or as a precision reference thermometer for benchtop sensor calibration in the lab.



Fluke 750P Series Pressure Modules

The 750P Series is comprised of a family of 48 pressure modules covering pressure calibration ranges from 0 to 1 inH₂O to 10000 psi (2.5 mbar to 690 bar), including gauge, differential, dual range, absolute and vacuum measurement models.



Fluke 719Pro and 721 Precision Pressure Calibrators

The ideal tool for gas custody transfer applications is the Fluke 721 Precision Pressure Calibrator. With dual isolated pressure sensors, it allows you to take simultaneous static and differential pressure measurements with a single tool. The 719Pro includes a full functioning loop calibrator that sources, simulates and measures mA signals and more making it the ideal test tool for calibrating high accuracy transmitters, pressure switches and pressure gauges.



Fluke 2700G Precision Pressure Test Gauges

The 2700G Reference Pressure Gauges provide best-in-class measurement performance in a rugged, easy-to-use, economical package. Improved measurement accuracy allows it to be used for a wide variety of applications. It is ideal for calibrating pressure measurement devices such as pressure gauges, transmitters, transducers and switches. In addition, it can be used as a check standard or to provide process measurements with data logging.



Be in the know-how with Fluke's latest Contests and Promotions
www.fluke.com/au/promotions

Process Calibration Tools

From Fluke and Fluke Calibration

Working in a process environment such as pharmaceutical, refining or other industrial areas can be challenging. Whether you're working at a bench, out in the plant, or in the field, you need accurate tools that you can count on.

Finding the right tools for the specific challenges you face every day is important so we've provided an "at-a-glance" guide to the wide range of multifunction, mA loop, pressure and temperature calibrators that we carry. For complete information on our field and bench solutions to all your calibration needs visit <http://au.fluke.com/PCT> or one of the product pages listed in this catalogue.



Electrical and Multifunction Calibration

Fluke offers a broad range of field and bench calibrators to source, simulate, and measure pressure, temperature and electrical signals to help you verify and adjust your test equipment or almost any process instrument.



mA Loop Calibration

Loop calibrators are essential tools for working with 4-20 mA current loops. Fluke loop calibrators provide mA sourcing, simulation and measurement, readouts in both mA and % of span, 24 V loop supply, simple operation and accuracy you can count on.



Pressure Calibration

Instrumentation is found in virtually every process plant. Periodic calibration of these instruments is required to keep plants operating efficiently and safely. Fluke provides a wide selection of field and bench calibration tools to help you quickly and reliably calibrate your pressure instrumentation.



Temperature Calibration

Temperature calibration refers to the calibration of any device used in a system that measures temperature—from sensors to transmitters to displays. Fluke offers bench and field solutions to ensure process temperature accuracy of not only the system's electronic temperature signals, but also the very temperature sensors that initiate those signals.

Process Calibration Tools

Electrical, Multifunction and mA Loop Calibration

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Electrical, Multifunction and mA Loop Calibration



Multifunction Calibrators

These field and bench calibrators source, simulate, and measure pressure, temperature and electrical signals with exceptional precision.



754 Documenting Process Calibrator with HART

Rugged, reliable tool for calibrating, maintaining and troubleshooting HART and other instrumentation.



- Measure volts, mA, RTDs, thermocouples, frequency and ohms to test sensors, transmitters and other instruments
- Source/simulate volts, mA, thermocouples, RTDs, frequency, ohms and pressure to calibrate transmitters
- Supports popular models of HART transmitters, with more device-specific command support than any other HART field calibrator
- Download procedures and upload calibration results from field calibrations
- NIST traceable calibration

www.fluke.com/au/754



N10140



753 Documenting Process Calibrator

Rugged handheld tool for sourcing, simulating and measuring pressure, temperature, and electrical signals.

- Measure volts, mA, RTDs, thermocouples, frequency and ohms to test sensors, transmitters and other instruments
- Source/simulate volts, mA, thermocouples, RTDs, frequency, ohms and pressure to calibrate transmitters
- Power transmitters during test using loop supply with simultaneous mA measurement
- Download procedures and upload calibration results from field calibrations
- NIST traceable calibration

www.fluke.com/au/753



N10140



N10140

725 Multifunction Process Calibrator

A powerful and easy-to-use field calibrator to test and calibrate almost any process parameter.

- Measure/source/simulate volts, mA, thermocouples, RTDs, frequency, ohms, and pressure to calibrate transmitters
- Measure/source pressure using any of 48 Fluke 750P Pressure Modules
- Source mA with simultaneous pressure measurement to conduct valve and I/P tests
- NIST traceable calibration

www.fluke.com/au/725



N10140

726 Precision Multifunction Process Calibrator

Designed specifically for the process industry with broad workload coverage, calibration power and unsurpassed accuracy. Includes all the features and functions of the 725 plus:

- Enhanced accuracy
- Pulse count sourcing and pulse measurement totalising
- Pressure switch test
- Error % calculation
- NIST traceable calibration

www.fluke.com/au/726



N10140

725Ex IS Multifunction Process Calibrator

Easy-to-use, intrinsically safe field calibrator can calibrate almost any process instrument needing service where explosive gasses may be present. Includes all the features and functions of the 725 plus:

- ATEX II 1 G Ex ia IIB 171°C KEMA 04ATEX 1303X
- I.S. Class I, Division 1 Groups B-D, 171°C compliance

www.fluke.com/au/Ex

Bench Calibrators

Digital and Precision Bench Multimeters and Precise Process Calibrator.



8808A Digital Multimeter

Versatile multimeter for manufacturing, development and service applications.

- 5.5 digit resolution
- Basic V DC accuracy of 0.015%
- Dual display
- Dedicated dc leakage current measurement
- 2x4 ohms 4-wire measurement technique
- Six dedicated buttons for fast access to instrument setups
- Hi/Lo limit compare for Pass/Fail testing
- 3 year warranty
- NIST traceable calibration

www.fluke.com/au/8808A



8845A/8846A 6.5 Digit Precision Multimeters

Precision and versatility for bench or systems applications.

- 6.5 digit resolution
- Basic V DC accuracy of up to 0.0024%
- Dual display
- 100 μ A to 10 A current range, with up to 100 pA resolution
- Wide ohms range from 10 Ω to 1 G Ω with up to 10 $\mu\Omega$ resolution
- 2 x 4 ohms 4-wire measurement technique
- Both models measure frequency and period
- 8846A also measures capacitance and temperature
- Accredited calibration

www.fluke.com/au/8845A



7526A Precision Process Calibrator

Best balance of economy and accuracy for calibration of temperature and pressure process measurement instrumentation.

- Sources and measures DC voltage, current, resistance, RTDs and thermocouples
- Measures pressure using Fluke 700/525A-P pressure modules
- Includes 24 V DC loop power supply, automated switch-test function and measures 4 mA to 20 mA
- NIST traceable calibration

au.flukecal.com/7526A

Complete Solution

Fluke 754 with 914X Series Field Metrology Well

By combining the automating and documenting capabilities of the Fluke 754 Documenting Process Calibrator with Fluke Calibration's intelligent and stable family of field drywells and micro-baths, you have the capability to test the entire loop.

This combination of equipment allows you to easily verify the characteristics of the temperature sensor and measurement electronics. Using this information, the entire loop can be adjusted to optimise system measurement performance.



mA Loop Calibrators

Fluke loop calibrators are ideal for a wide variety of calibration applications from 4 to 20 mA.



709 Precision Loop Calibrator

Reduces the time it takes to measure or source voltage or current and power up a loop.

- Best-in-class accuracy at 0.01% reading
- Small rugged design operates on six standard AAA batteries
- Intuitive user interface with Quick-Set knob for fast setup and easy use
- Built-in selectable 250 Ω resistor for HART communication
- 24 V DC loop power with mA Measure Mode (-25% to 125%)
- Resolution of 1 μ A on mA ranges and 1 mV on voltages ranges
- NIST traceable calibration

www.fluke.com/au/709



709H Precision Loop Calibrator with HART Communications/Diagnostics

Designed to save time and produce high-quality results



- HART Communication built in for easy HART device maintenance
- Best-in-class accuracy at 0.01% reading
- Small rugged design operates on six standard AAA batteries
- Intuitive user interface with Quick-Set knob for fast setup and easy use
- Built-in selectable 250 Ω resistor for HART communication
- 24 V DC loop power with mA Measure Mode (-25% to 125%)
- Resolution of 1 μ A on mA ranges and 1 mV on voltage ranges
- NIST traceable calibration

www.fluke.com/au/709H



705 Loop Calibrator

A cost-effective, integrated solution for calibration, repair and maintenance of current loops.

- mA sourcing, simulation and measurement
- Simultaneous mA and % of span display
- 24 V loop supply with mA measure
- 0 V DC to 28 V DC measurement to check loop voltage
- NIST traceable calibration

www.fluke.com/au/705



707 Loop Calibrator

A high performance, extremely fast and easy-to-use solution for calibration, repair and maintenance of current loops.

- mA sourcing, simulation and measurement
- 24 V loop supply with mA measure, including 250 Ω HART resistor
- 0 V DC to 28 V DC measurement to check loop voltage
- NIST traceable calibration

www.fluke.com/au/707



707Ex IS Loop Calibrator

An intrinsically safe loop calibrator for use in explosion endangered areas. The Fluke 707Ex is certified in accordance with the ATEX directive in Zones 1 and 2.

- 1 μ A resolution for mA source, simulate and measure
- Measures V DC to 28 V
- 0-20 mA or 4-20 mA default startup modes
- HART[®] compatible resistance is connected in series with the loop supply for compatibility with HART communicators

www.fluke.com/au/Ex

Process Meters and Clamp Meters

Provide the versatility of a digital multimeter and loop calibrator and save time with no need to break the loop.



715 Volt/mA Calibrator

Outstanding performance, durability and reliability.

- Measure loop current (0-20 mA, 4-20 mA) signals with very high accuracy of 0.015% and 1 mA resolution
- Measure voltage output process signals from PLCs, transmitters
- Source or simulate 24 mA loop current
- Source voltage to 100 mV or 10 V
- 24 V loop supply with simultaneous current measurement
- Enhanced voltage and current measure and source accuracy
- NIST traceable calibration

www.fluke.com/au/715



787 ProcessMeter™

A complete troubleshooting solution in the palm of your hand with a digital multimeter and loop calibrator in one tool.

- 1000 V overload protection on V, ohms, frequency
- 150 V overload protection on mA, backed up by 440 mA 1000 V fuse
- 25% manual step plus auto step and auto ramp on mA output
- CAT III 1,000V rating

www.fluke.com/au/787



789 ProcessMeter™

The 789 includes all the popular features of the 787 and adds:

- 24 V loop power supply
- 1200 ohm drive capability on mA source
- HART mode setting with loop power and a built-in 250 ohm resistor
- 0% and 100% buttons to toggle between 4 and 20 mA sourcing for a quick span check
- CAT IV 600 V rating

www.fluke.com/au/789



771 Milliamp Process Clamp Meter

Saves time by making fast, accurate measurements on 4-20 mA signal loops without breaking the circuit.

- 0.01 mA resolution and sensitivity
- Measure mA signals for PLC and control system analog I/O
- Measure 10 to 50 mA signals in older control systems using the 99.9 mA range

www.fluke.com/au/771



772 Milliamp Process Clamp Meter

Expanded features of the popular 771 mA clamp meter by adding loop power and mA sourcing to the capabilities.

- Measure 4 to 20 mA signals with in-circuit measurement
- Simultaneous mA in-circuit measurement with 24 V loop power for powering and testing transmitters
- Source 4 to 20 mA signals for testing control system I/O or I/Ps
- Automatically ramp or step the 4 to 20 mA output for remote testing

www.fluke.com/au/772



773 Milliamp Process Clamp Meter

The premier mA clamp meter, adds advanced troubleshooting features and voltage source/measure for testing voltage I/O. Includes all the features of the 772 plus:

- DC voltage sourcing and measurement, verify 24 V power supplies or test voltage I/O signals
- Scaled mA output provides a continuous mA signal that corresponds to the 4 to 20 mA signal measured by the mA clamp
- Simultaneously source and measure mA signals

www.fluke.com/au/773

Process instrumentation requires periodic calibration and maintenance to ensure that it is operating correctly.

Field checking a loop-powered isolator

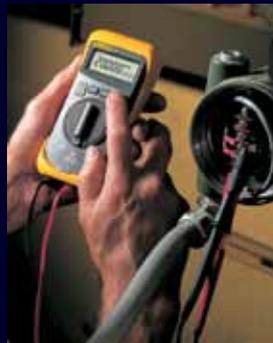
Fluke loop calibrators have a unique current simulation feature that, when connected to an external power source, allows you to precisely control current between 0 mA and 24 mA. When field checking a loop-powered isolator, the two-wire loop transmitter supplying signal current to the isolator for the loop may be removed and the calibrator connected in simulate mode to control loop current.

Testing valve positioners

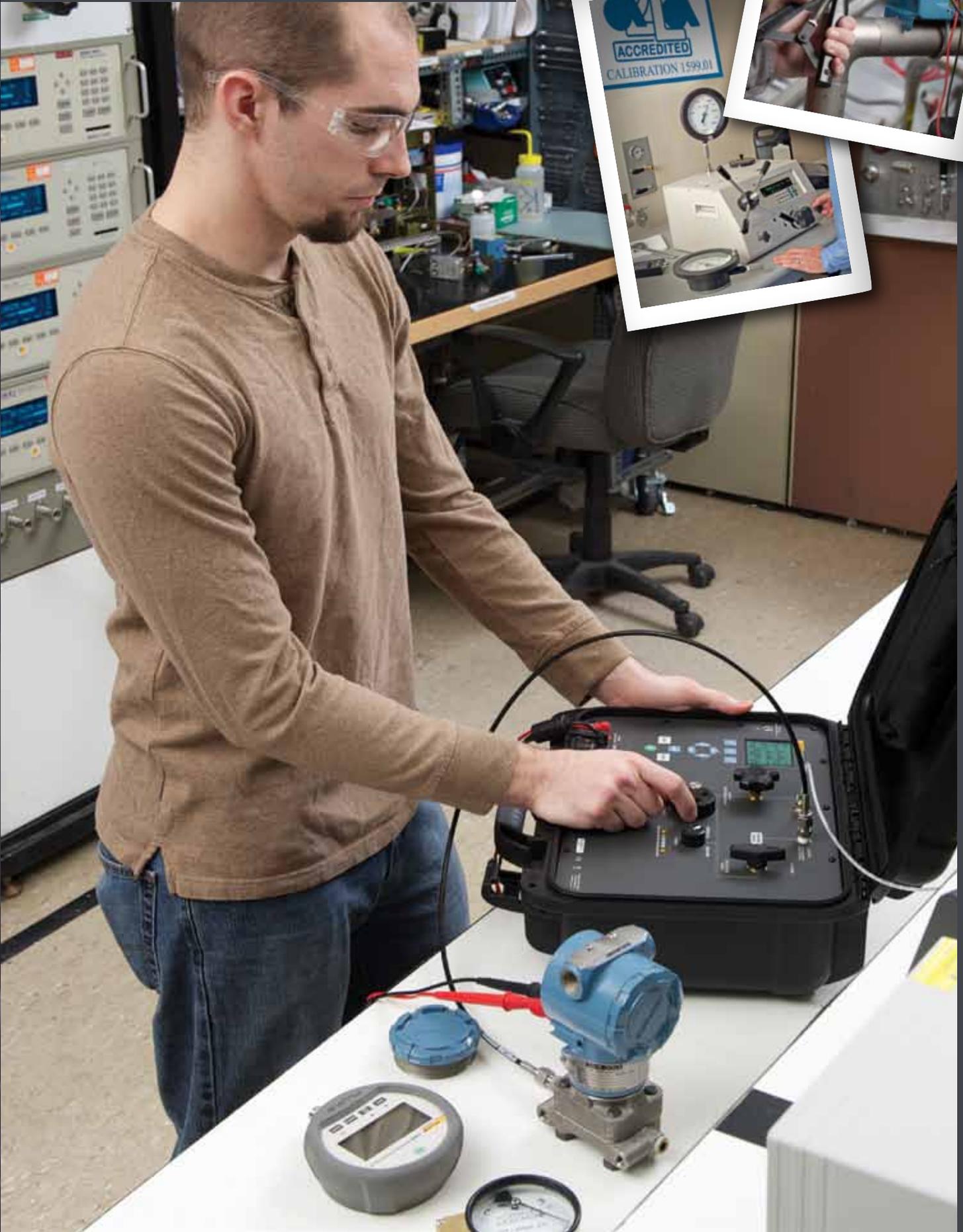
Electronic valve positioners should receive periodic in-field calibrations as part of preventive maintenance programs. Fluke loop calibrators are the ideal test tools for these checks. Valve positioners vary in design and valve type and should be calibrated using specific instructions from the individual manufacturer. Quick operational checks can be performed using a field calibrator as a signal source while observing the valve stem position, mechanical position indicators or flow indicators as input changes are made. Fluke loop calibrators provide a convenient source for simulating the controller output to a valve positioner.

Using Fluke loop calibrators as a voltage source

A precision shunt resistor may be used to derive voltages for calibration using the calibrator's current source mode. Using this system, Fluke loop calibrators are capable of generating voltages for devices with input spans as low as 10 mV to as high as 24 V.



Pressure Calibration



Digital Pressure Calibrators

Built-in features like mA measure, loop power, switch test and transmitter error calculation make these pressure calibrators powerful tools that are easy to use.

NEW



719Pro Portable Electric Pressure Calibrator

Calibrate and test pressure devices quickly and easily with the built-in electric pump.

- Source mA with simultaneous pressure measurement to test valves and I/Ps
- Simulate mA signals to troubleshoot 4-20 mA loops
- Power transmitters during test using 24 V loop supply with simultaneous mA measurement
- New 300 psi range, generate up to 300 psi, with internal electric pump
- Precision temperature measurement combined accuracy of $\pm 0.25^{\circ}\text{C}$ (0.45°F) when using 720 RTD probe (optional accessory)
- NIST traceable calibration

www.fluke.com/au/719Pro



NEW



721 Dual Range Pressure Calibrator

Two measurement ranges plus temperature measurement make the 721 ideal for gas custody transfer calibration applications.

- Fourteen models
- Up to three displayed measurements simultaneously
- Simplified user interface for ease of use
- Rugged, durable design with protective holster
- High accuracy, 0.025% total measurement uncertainty for one year
- Pt100 RTD input for precise temperature measurement, accurate to 0.1°C (0.2°F)
- Requires 720 RTD probe sold separately as an accessory
- NIST traceable calibration

www.fluke.com/au/721



717 Pressure Calibrator

Rugged, reliable and accurate calibrator with outstanding performance and durability.

- Measure pressure, 0.025% of full scale with internal sensor up to 10,000 psi/690 bar sensor (10000G model)
- Measure mA with 0.015% accuracy and 0.001 mA resolution, while sourcing 24 V loop power
- Measure pressure to 10,000 psi/700 bar using one of 48 Fluke 750P Pressure Modules
- NIST traceable calibration

www.fluke.com/au/717



718 Pressure Calibrator with Pump

Provides a total pressure calibration solution for transmitters, gauges and switches.

- Pressure source and milliamp measurement to calibrate and maintain almost any pressure device
- Integrated pump is easily cleaned when accidentally exposed to fluids that reduces cost of ownership and repairs and enables servicing the pump in the field
- 1 psi, 30 psi, 100 psi and 300 psi ranges mean few extra tools required
- NIST traceable calibration

www.fluke.com/au/718



718Ex IS Pressure Calibrator

A powerful, intrinsically safe and self-contained pressure calibrator for use in explosion endangered areas.

- ATEX II 1G Ex ia IIC T4 compliant
- Built-in pressure/vacuum hand pump, with fine adjust vernier and bleed valve
- 30 psi, 100 psi, and 300 psi ranges (2 bar, 7 bar, and 20 bar)
- Pressure measurement to 200 bar using any of eight intrinsically safe Fluke 700PEX Pressure Modules
- NIST traceable calibration

www.fluke.com/au/Ex

Pressure Accessories

Get an outstanding value with our most popular accessories.



750P Pressure Modules

The new Fluke 750P series improves upon the proven performance of the 700P Series in many ways:

- Improved total uncertainty with reference class accuracies as good as 0.01%
- Enhanced connectability with easy to connect finger-tight adapters for NPT, BSP and M20 fittings (supplied)
- 6-month and 1-year specifications for customers wanting better accuracies
- Multiple temperature specification windows offering additional specification improvements
- Additional pressure ranges for absolute pressure and reference class performance, (48) pressure measurement ranges
- Absolute pressure measurement now to 1,500 PSIA, 100 bar
- Improved reading rate when used with 725 and 726 multifunction calibrators
- 3-year warranty extends the promise of ruggedness, long term performance

www.fluke.com/au/750P



700PEx IS Pressure Modules

Intrinsically safe pressure modules to create a complete pressure test solution.

- Certified by CSA: I.S. Class I, Div 1, Groups A-D T4, Ta = 0 °C to 50 °C
- ATEX II 1G Ex ia IIC T4 compliant
- NIST traceable calibration

www.fluke.com/au/Ex



700LTP-1 Low Pressure Test Pump

Hand operated pressure pump designed to generate either vacuum to -13 psi/-0.90 bar or pressures to 100 psi/6.9 bar. Ideal for low pressure applications requiring accurate low pressure testing.

www.fluke.com/au/process_acc



700HTP-2 Hydraulic Test Pump

The 700HTP-2 is designed to generate pressures up to 10,000 psi/700 bar. Use the Fluke 700PRV-1 adjustable relief valves to limit pressures from 1360 psi to 5450 psi. Use the 700HTH-1 test hose to connect from the pump to the device under test.

- Combine with any Fluke-700G Series Gauge, 1,000 psi (69 bar) range or greater, to make a complete pressure testing kit
- Generate pressure up to 10,000 psi, 690 bar with the included 700HTP-2 test pump
- Connect the 700G Series gauge directly to the HTP-2 hand pump
- Includes 700HTH-1 hose kit and adapters for connecting to the pressure device to be tested
- Hard case protects pump and gauge and allows gauge to remain connected to the pump



700HTPK

www.fluke.com/au/process_acc



700PTP-1 Pneumatic Test Pump

The 700PTP-1 is a handheld pressure pump designed to generate either vacuum to -11.6 psi/-0.8 bar or pressure to 600 psi/40 bar.

- Combine with any Fluke-700G Series Gauge, 1,000 psi (69 bar) or less, to make a complete pressure testing kit
- Generate pressure up to 600 psi, 40 bar with the 700PTP-1 test pump
- Connect the 700G Series gauge directly to the included PTP-1 hand pump
- Includes hoses and adapters for connecting to the pressure device to be tested
- Hard case protects pump and gauge and allows gauge to remain connected to the pump



700PTPK

www.fluke.com/au/process_acc

Master Gauges and Reference Pressure Calibrators

Portable, high-quality pressure calibrators and precision pressure gauges.

NEW



700G Precision Pressure Gauges

Rugged construction for reliable measurements in the field.

- Twenty-three ranges from 10 inH₂O/1 bar to 10,000 psi/690 bar and 0.05 % accuracy
- Combine with a comparator kit for a complete solution
- Four new absolute pressure measurement ranges
- Use the 700G/TRACK Software to upload over 8,000 logged pressure measurements
- Up to 1500 hours battery life
- I.S. rating, CSA; Class 1, Div 2, Groups A-D rating, ATEX: rating: II 3 G Ex nA IIB T6
- NIST traceable calibration

www.fluke.com/au/700G



NEW



2700G Series Reference Pressure Gauges

Best-in-class accuracy from a master pressure gauge.

- Precision pressure measurement from 100 kPa (15 psi) to 70 MPa (10,000 psi).
- Accuracy to $\pm 0.02\%$ of full scale
- Combine with the 700PTPK or 700HTPK pump kits for a complete portable pressure testing solution for up to 4 MPa (600 psi) with the PTP-1 pneumatic pump and up to 70 MPa (10 000 psi) with the HTP-2 hydraulic pump
- Combine with the P5510, P5513, P5514, or P5515 Comparison Test Pumps for a complete bench top pressure calibration solution
- Test port is 1/4 NPT Male. 1/4 BSP and M20 X 1.5 adaptors are included standard
- USB communications cable and universal power supply included standard
- Optional accredited calibration

au.flukecal.com/2700G



NEW



3130 Portable Pressure Calibrator

Everything you need for highly accurate calibrations of pneumatic field instruments.

- Measure and generate pressures from -12 psi (0.8 bar) to 2 MPa (300 psi, 20 bar)
- Accuracy of $\pm 0.025\%$ reading to $\pm 0.01\%$ FS
- Works with compressed plant air or internal pump
- 24 V loop power and electrical measurement for transmitters and switches
- Compatible with Fluke 700P pressure modules
- NiMH battery
- Optional accredited calibration

au.flukecal.com/3130



Pressure Comparators

Precise pressure generation for comparing a device under test to a master gauge.



P5510 Gas Pressure Comparator

Easy, efficient pressure and vacuum generation in a single device.

- Pressure to 2 MPa (300 psi)
- Vacuum to -80 kPa (-12 psi)

au.flukecal.com/P5510



P5513 Gas Pressure Comparator

High quality, precise gas pressure generation and control.

- Precise pressure regulation to 210 MPa (3k psi) with high quality needle valves
- Built-in screw press for fine pressure adjustment
- Optional vacuum/pressure pump, -80 kPa to 2 MPa (-12 psi to 300 psi)

au.flukecal.com/P5513



P5514 Hydraulic Pressure Comparator

Easy, efficient hydraulic pressure generation.

- Generate and precisely adjust pressure to 70 MPa (10 k psi)
- Compatible with a wide range of fluids

au.flukecal.com/P5514



P5515 Hydraulic Pressure Comparator

High quality, precise hydraulic pressure generation and control.

- Generate and precisely adjust pressure to 140 MPa (20 k psi)
- Integrated hand pump for system priming and large volume applications
- Compatible with a wide range of fluids

au.flukecal.com/P5515

Complete Bench Top Pressure Calibration Solution

Combine P5500 comparison test pumps with one or more 2700G reference pressure gauges for a complete 0.02% accuracy calibration system.

The 2700G has an easy-to-use interface that allows you to configure the sampling rate, tare value, damping and auto off time interval as well as reset the min/max pressure. You can also view the remaining battery life. Select from 21 different standard engineering units, including bar, in H₂O, kPa, MPa and psi.

The 2700G Reference Pressure Gauge can be combined with the Fluke Calibration P5500 series of comparison test pumps to make a complete pressure calibration system. The unique test port design of the P5500 series allows for hand tight connection of the 2700G without the use of PTFE tape.



Bench Deadweight Testers

Deadweight testers are highly accurate, robust and flexible pressure measurement standards capable of calibrating a wide range of instruments.



P3000 Series Deadweight Testers

The P3000 Series is the culmination of over 50 years of experience in the production and design of high performance pressure standards.

With features designed to improve accuracy and performance, increase reliability and simplify operation these deadweight testers can be used to calibrate virtually any pressure sensing device, including transducers, transmitters, gauges or pressure switches.



P3000 Pneumatic Deadweight Tester

High performance gas deadweight testers with unique suspended piston design for vacuum calibration.

- 0.015% of reading accuracy standard (0.008% optional)
- 3 to 500 psi (0.2 to 35 bar) pressure
- Optional low range 0.03 to 1 bar vacuum (1 to 30 inHg)
- Integrated vacuum and pressure pump available to 2 MPa (300 psi)
- Accredited calibration

au.flukecal.com/P3000



P3100 Hydraulic Deadweight Tester

Highly accurate oil deadweight tester with quick and easy-to-use single and dual piston deadweight models.

- Pressure ranges to 140 MPa (20 k psi, 1400 bar)
- 0.015% of reading accuracy standard (0.008% optional)
- Built-in pressure generation and adjustment
- Single or dual piston formats
- Accredited calibration

au.flukecal.com/P3100



P3200 Hydraulic Deadweight Tester

Hydraulic deadweight tester specially designed to use water as a test medium.

- Pressure ranges to 70 MPa (10 k psi, 700 bar)
- 0.015% of reading accuracy standard (0.008% optional)
- Built-in pressure generation and adjustment is standard
- Single or dual piston formats
- Water media
- Accredited calibration

au.flukecal.com/P3200



P3800 High Pressure Oil Deadweight Tester

High performance, easy to use very high pressure oil calibration.

- 0.02% of reading accuracy (0.015% optional)
- Ranges up to 400 MPa (60 k psi)
- Integrated pressure generation, intensifier and control
- Accredited calibration

au.flukecal.com/P3800

Bench Pressure Controllers and Electronic Deadweight Testers

High performance, with powerful features for a wide range of pneumatic pressure calibrations.



6531 Electronic Deadweight Tester

A digital alternative to the traditional deadweight tester.

- 0.02% of reading from 10% to 100% of instrument range (10:1 turndown)
- Ranges from 7 MPa (1000 psi) to 200 MPa (30 k psi)
- Integrated hydraulic pressure generation and control
- Compatible with water and a wide range of oils and other fluids
- Onboard test routines, data storage, and other advanced features
- Accredited calibration

au.flukecal.com/6531



6532 Extended Range Electronic Deadweight Tester

All the features of model 6531 with extended pressure range for maximum workload coverage.

- 0.02% of reading from 1% to 100% of instrument range (100:1 turndown)
- Models with full scale ranges from 70 MPa (10 k psi) to 200 MPa (30 k psi)
- Accredited calibration

www.fluke.com/au/6532



Fluke Calibration Gas Pressure Controllers

A simple, complete gas calibration solution.

The Fluke Calibration PPC4E is the latest member of the PPC family of controller/calibrators to deliver extremely broad pressure range coverage at a level of performance that addresses your most common calibration workload.

Calibrate transmitters, transducers, pressure switches, indicators, barometers and analogue and digital gauges with ease using the colour graphical user interface and advanced features.

6241 Pressure Controller/Calibrator

Fully automated, reliable, easy to use gas pressure calibration.

- 0.02% accuracy of any span from 10% to 100% of instrument range (10:1 turndown)
- Ranges from ± 15 kPa (± 2 psi) to 14 MPa (2000 psi)
- Best-in-class control precision with very wide control turndown
- Absolute, gauge and bidirectional gauge modes included in most models
- Onboard test routines, data storage, and other advanced features
- Accredited calibration

au.flukecal.com/6241



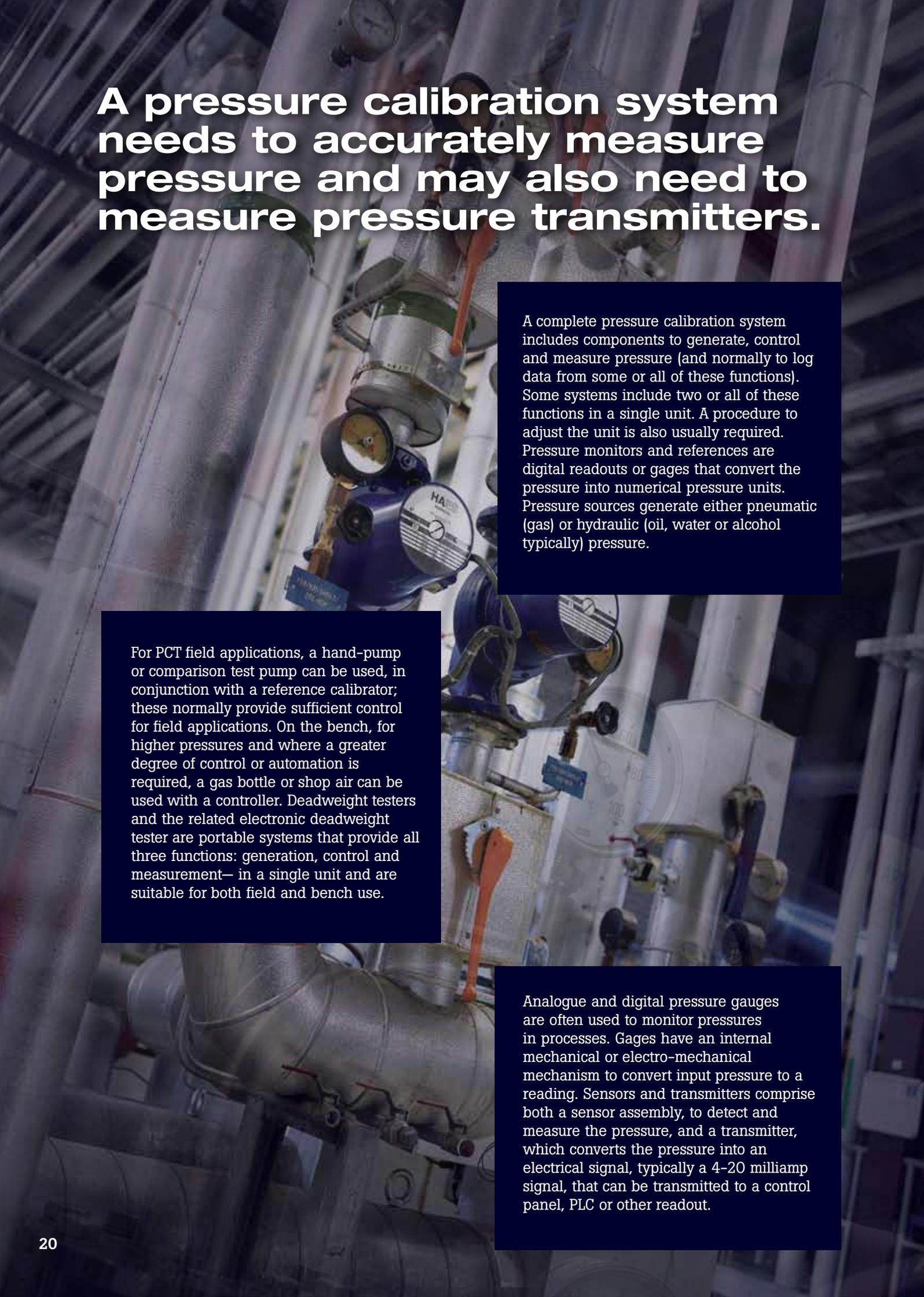
6242 Extended Range Pressure Controller/Calibrator

All the features of model 6241 with extended pressure range for maximum workload coverage.

- 0.02% accuracy of any span from 1% to 100% of instrument range (100:1 turndown)
- Ranges from ± 100 kPa (± 15 psi) to 14 MPa (2000 psi)
- Accredited calibration

au.flukecal.com/6242





A pressure calibration system needs to accurately measure pressure and may also need to measure pressure transmitters.

A complete pressure calibration system includes components to generate, control and measure pressure (and normally to log data from some or all of these functions). Some systems include two or all of these functions in a single unit. A procedure to adjust the unit is also usually required. Pressure monitors and references are digital readouts or gages that convert the pressure into numerical pressure units. Pressure sources generate either pneumatic (gas) or hydraulic (oil, water or alcohol typically) pressure.

For PCT field applications, a hand-pump or comparison test pump can be used, in conjunction with a reference calibrator; these normally provide sufficient control for field applications. On the bench, for higher pressures and where a greater degree of control or automation is required, a gas bottle or shop air can be used with a controller. Deadweight testers and the related electronic deadweight tester are portable systems that provide all three functions: generation, control and measurement— in a single unit and are suitable for both field and bench use.

Analogue and digital pressure gauges are often used to monitor pressures in processes. Gages have an internal mechanical or electro-mechanical mechanism to convert input pressure to a reading. Sensors and transmitters comprise both a sensor assembly, to detect and measure the pressure, and a transmitter, which converts the pressure into an electrical signal, typically a 4–20 milliamp signal, that can be transmitted to a control panel, PLC or other readout.

Temperature Calibration



Handheld Temperature Calibrators

Suitable for calibrating temperature transmitters, panel meters and other devices that connect to temperature sensors.



712B RTD Calibrator

Ideal tool for temperature calibration professionals offering a highly accurate easy-to-use single function RTD temperature calibrator.

- The 712B measures and simulate (13) different RTD types and resistance
- Measure 4 to 20 mA signals while simultaneously sourcing a temperature signal
- Hanging tool designed in and included with every unit
- Configurable 0% and 100% source settings for quick 25% linearity checks
- Linear ramp and 25% step auto ramp based on 0% and 100% settings
- 1-year and 2-year specifications and traceable certificate of calibration

www.fluke.com/au/712B



714B Thermocouple Calibrator

Highly accurate, easy-to-use single function thermocouple temperature calibrator.

- The 714B measures and simulates (17) different thermocouple types and millivolts
- Measure 4 to 20 mA signals while simultaneously sourcing a temperature signal
- Configurable 0% and 100% source settings for quick 25% linearity checks
- Linear ramp and 25% step auto ramp based on 0% and 100% settings
- Power down settings remembered at power up for easy restart of tests
- 1-year and 2-year specifications and traceable certificate of calibration

www.fluke.com/au/714B



724 Temperature Calibrator

Powerful and easy-to-use to measure and source functions for testing and calibrating almost any temperature instrument.

- Measure RTDs, thermocouples, ohms, and volts to test sensors and transmitters
- Source/simulate thermocouples, RTDs, volts, and ohms to calibrate transmitters
- Perform fast linearity tests with 25% and 100% steps
- NIST traceable calibration

www.fluke.com/au/724

Field Temperature Sources

Portable and flexible temperature-controlled dry-wells suitable for high-speed calibrations or certifications of thermocouples, RTDs, PRTs and other temperature sensors.



9100S Handheld Dry-Well

World's smallest, lightest and most portable dry-well.

- Smallest dry-wells in the world
- Ranges from 35°C to 375°C
- Accuracy to $\pm 0.25^\circ\text{C}$, stability of $\pm 0.07^\circ\text{C}$ at 50°C
- NIST traceable calibration

au.flukecal.com/9100S



9102S Handheld Dry-Well

High-performance, convenient and easy-to-use handheld dry-well.

- Smallest dry-wells in the world
- Ranges from -10°C to 122°C
- Accuracy to $\pm 0.25^\circ\text{C}$, stability of $\pm 0.05^\circ\text{C}$ (full range)
- NIST traceable calibration

au.flukecal.com/9102S



9009 Dual-Well Dry-Well

Two-in-one dry-well increases portability and productivity.

- Temperatures from -15°C to 350°C in one unit
- Display accuracy: hot block: $\pm 0.6^\circ\text{C}$; cold block: $\pm 0.2^\circ\text{C}$
- Rugged, lightweight, water resistant enclosure
- NIST traceable calibration

au.flukecal.com/9009

Multifunction Field Temperature Sources

Fast, lightweight and portable with precision temperature control traceable to National Standards. Suitable for calibration of thermocouples, RTDs, PRTs and other temperature sensors.



914X Series Field Metrology Wells

The 914X series field metrology wells extend high performance to the industrial process environment by maximising portability, speed and functionality with little compromise to metrology performance.

Field metrology wells are light weight, small and quick to reach temperature set points yet also stable, uniform and precise. This industrial product line is perfect for transmitter loop, comparison calibration, or a simple check of a thermocouple sensor. There is no need to carry additional tools into the field as the “process” option offers a built-in readout for resistance, voltage and mA measurement, 24V loop power and on-board documentation.



9142 Field Metrology Well

Maximising portability, speed, and functionality for the industrial process environment.

- -25°C to 150°C temperature range
- Display accuracy of $\pm 0.2^\circ\text{C}$ over full range
- Built-in two-channel readout for PRT, RTD, thermocouple, 4-20 mA current
- Optional built-in reference thermometer readout
- Accredited calibration

au.flukecal.com/9142



9143 Field Metrology Well

Maximising portability, speed, and functionality for the industrial process environment.

- 33°C to 350°C temperature range
- Display accuracy of $\pm 0.2^\circ\text{C}$ over full range
- Built-in two-channel readout for PRT, RTD, thermocouple, 4-20 mA current
- Optional built-in reference thermometer readout
- Accredited calibration

au.flukecal.com/9143



9144 Field Metrology Well

Precision calibration with fast temperature ramp-up rates for the industrial process environment.

- 50°C to 660°C temperature range
- Heat to 660°C in 15 minutes
- Display accuracy from $\pm 0.35^\circ\text{C}$ at 420°C to $\pm 0.5^\circ\text{C}$ at $\pm 660^\circ\text{C}$
- Optional built-in reference thermometer readout
- Accredited calibration

au.flukecal.com/9144



Fluke Calibration 9103, 9140 and 9141 Field Dry-Wells and 9150 Thermocouple Furnace

Temperature sensor test and calibration

- Lightweight and very portable
- Accuracy to $\pm 0.25^\circ\text{C}$
- RS-232 and Interface-it software included
- Interchangeable inserts
- 9103 goes as low as -25°C .
- 9140 is 2.7kg and 9141 is 3.6kg
- 9140 and 9141 reach max temp in 12 minutes
- 9150 extends up to 1200°C covering a wide range of T/C types.
- Direct interface to Fluke 754



Fluke Calibration 6102, 7102 and 7103 Micro-Baths

Portability and extreme stability

- Temperature sensor calibration
 - Stability to $\pm 0.015^\circ\text{C}$
 - Ranges from -30°C to 200°C
 - Accepts oddly shaped sensors
 - Exceptional bath portability
 - Direct interface to Fluke 754
- Each unit includes a stir bar, power cord, RS-232 interface, instrument control software and a NIST-traceable calibration.

Infrared Temperature Sources

Bench and field precision infrared calibrators for accurate and reliable calibrations of infrared thermometers.



4180/4181 Precision Infrared Calibrators

Accredited performance for point and shoot calibrations.

- Calibrated radiometrically for meaningful, consistent results
- Accredited calibration included
- Accurate, reliable performance from -15°C to 500°C
- Large 152mm (6 in) diameter target
- Accredited calibration

au.flukecal.com/418X



9132/9133 Field Infrared Calibrators

Precision when you need it for infrared temperature calibration.

- Verify IR pyrometers from -30°C to 500°C (-22°F to 932°F)
- RTD reference well for contact temperature measurement
- Small compact design
- NIST traceable contact calibration

au.flukecal.com/913X

Ambient Conditions Monitor

For precise measurement and recording of ambient temperature and humidity conditions wherever calibrations take place.



1529 Four-Channel Thermometer Readout

Lab-quality accuracy on four channels for PRTs, thermistors and thermocouples.

- Accuracy of $\pm 0.0025^{\circ}\text{C}$ (meter only)
- Displays eight user-selected data fields from any channel
- Logs up to 8,000 readings with date and time stamps
- Accredited calibration

au.flukecal.com/1529



1620A Precision Thermo-Hygrometer

The most accurate temperature and humidity graphical data logger on the market.

- Superior accuracy
- Network enabled
- Powerful logging and analysis tools
- Measures temperature to $\pm 0.125^{\circ}\text{C}$ and humidity to $\pm 1.5\%$ on two channels
- NIST-traceable NVLAP accredited temperature and humidity calibration

au.flukecal.com/1620A

Thermometer Standards

Delivering exceptional accuracy, wide measurement range and designed to go where you work.



1551A Ex/1552A Ex "Stik" Thermometer

The best substitute for precision mercury-filled glass thermometers.

- Accuracy of $\pm 0.05^{\circ}\text{C}$ ($\pm 0.09^{\circ}\text{F}$) over full range
- Intrinsically safe (ATEX and IECEx compliant)
- Two models to choose from (-50°C to 160°C or -80°C to 300°C)
- NVLAP-accredited, NIST-traceable calibration

au.flukecal.com/155X



1523/1524 Handheld Thermometer Readout

Measure, graph and record three sensor types with one tool.

- High accuracy:
 - PRTs: $\pm 0.011^{\circ}\text{C}$;
 - Thermocouples: $\pm 0.24^{\circ}\text{C}$;
 - Thermistors: $\pm 0.002^{\circ}\text{C}$
- A simple user interface to see trends quickly
- Smart connectors to load probe information automatically
- NVLAP-accredited, NIST-traceable calibration

au.flukecal.com/152X



1502A/1504 Thermometer Readouts

Best performance thermometers in their price range.

- Single-channel reference thermometers, accurate to $\pm 0.006^{\circ}\text{C}$ (meter only)
- Two models to choose from —reading PRTs or thermistors
- Best price/performance package
- Accredited calibration

au.flukecal.com/150X

Temperature Calibration by Comparison

As the name implies, during a comparison calibration, a thermometer under test is compared to a more accurately calibrated temperature standard, while both are maintained at the same constant temperature in the temperature source. Typically the standard is four times more accurate than the thermometer under test. Any thermometer can be calibrated by comparison and comparison calibrations can take place either in a laboratory or on-site.

For contact thermometer comparison calibrations, you will need:

- A temperature source to heat or cool the thermometer(s) under test
- A temperature standard to provide the accurate known temperature that is compared with the thermometer under test
- Measuring devices to read the temperature standard and/or thermometer(s) under test

When doing comparison calibrations of other types of thermometers, your choice of equipment may hinge largely on where you have to go to calibrate them. If it's in the laboratory, you'll probably use baths and SPRTs with thermometer readouts and if you're calibrating on-site you'll be using a calibrator like a Field Metrology Well or Micro-Bath.



Precision PRTs and Thermistors

High accuracy reference temperature measurements in temperature sources on the bench or in the field. Thermistors provide accurate and rugged temperature measurements from 0°C to 100°C.



5627A Precision Industrial PRT

- Vibration and shock resistant
- Calibration accuracy of $\pm 0.046^\circ\text{C}$ at 0°C
- Available with a 90° bend
- NVLAP accredited calibration included, lab code 200706-0

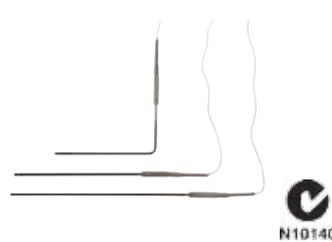
au.flukecal.com/5627A



5615 Secondary Reference Temperature Standards

- -200°C to 420°C
- Calibrated accuracy $\pm 0.010^\circ\text{C}$ at 0°C
- NVLAP accredited calibration included, lab code 200706-0

au.flukecal.com/5615



5608/5609/5609-BND Secondary Reference PRTs

Drift rate of $\pm 0.01^\circ\text{C}$ at 0°C after 100 hours at max temperature.

- 5608: -200°C to 500°C (80mm minimum immersion)
- 5609: -200°C to 670°C (100mm minimum immersion)
- Comes with certificate of compliance - optional NVLAP accredited calibration

au.flukecal.com/5608



5622 Fast Response PRTs

- Time constants as fast as 0.4 seconds
- Small probe diameters ranging from 0.5mm to 3.2mm (four models available)
- Available as DIN/IEC Class A PRTs or with optional NVLAP accredited calibration, lab code 200348-0

au.flukecal.com/5622



5626/5628 Secondary SPRT, PRT, Temperature Sensors

- Range to 661°C
- Meets all ITS-90 requirements for resistance ratios
- Rtp drift < 20 mK after 500 hours at 661°C
- Calibrated accuracy of $\pm 0.006^\circ\text{C}$ at 0°C
- NVLAP accredited fixed point calibration

au.flukecal.com/562X



5618B Small Diameter Industrial RTD

Fast response for time-dependent measurements.

- Small diameter sheath, 3.2mm (0.125 in)
- Excellent stability
- Includes ITS-90 coefficients
- NVLAP accredited calibration, lab code 200706-0

au.flukecal.com/5618B



5606 Full Immersion PRT

Fully immerse PRT transition junction inside freezers or furnaces.

- Transition junction designed to withstand full temperature range of probe
- -200°C to 160°C
- Calibration accuracy of $\pm 0.05^\circ\text{C}$ (full range)
- Optional NVLAP accredited calibration

au.flukecal.com/5606



5610/5611/5611T Secondary Reference Thermistor Probes

Economical lab-grade thermistor probes with low drift susceptibility

- Short-term accuracy to $\pm 0.01^\circ\text{C}$; one-year drift $< \pm 0.01^\circ\text{C}$
- 5610: 3.2mm diameter stainless steel sheathed thermistor
- 5611: 1.5mm diameter (tip) silicone coated thermistor
- 5611T: 3mm diameter (tip) PTPE encapsulated thermistor

au.flukecal.com/5610

Data Acquisition



Data Acquisition System

Fluke Calibration data acquisition systems providing best-in-class accuracy and performance.

NEW



2638A Hydra Series III Data Acquisition System/Digital Multimeter

Price-performance breakthrough in a stand-alone data acquisition system

The Fluke Hydra Series III continues the Hydra Series legacy of precision, multi-channel data acquisition. The new Series III improves on Hydra's industry-leading thermocouple accuracy and adds a new dimension to how you collect and view data in a portable system.

- DC accuracy of 0.0024%
- Thermocouple accuracy of 0.5°C
- Up to 66 universal differential isolated inputs
- On-screen colour trend graphing and analysis
- Easy-to-use menu system for setup and data management
- Input types: AC V, DC V, AC I, DC I, thermocouple, PRT (2, 3, 4 w), thermistor, resistance (2-4 w), frequency
- 6.5-digit bench DMM function for front-panel inputs
- Monitor function for real-time viewing and charting between scans
- 20 on-board math channels
- 45 channels/second basic dc scan rate
- Internal 57,000 scan/setup file memory
- USB flash drive support
- 300 V CAT II input safety rated
- Optional accredited calibration

au.flukecal.com/2638A



NEW



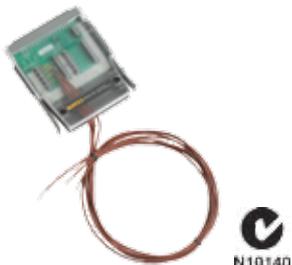
1586A Super-DAQ Precision Temperature Scanner

The Fluke 1586A Super-DAQ is the most accurate and flexible temperature data acquisition system on the market. It scans and records temperature, DC voltage, DC current and resistance for up to 40 input channels and scan speeds as fast as 10 channels per second.

The Super-DAQ can be configured for use as a multichannel data logger in the factory or as a precision reference thermometer for benchtop sensor calibration in the laboratory.

- Measure thermocouples, PRTs, thermistors, DC voltage, DC current and resistance
- Best-in-class temperature measurement accuracy:
 - PRTs: $\pm 0.005^{\circ}\text{C}$ (using external DAQ-STAQ Multiplexer)
 - Thermocouples: $\pm 0.5^{\circ}\text{C}$ (using High-Capacity Module and internal CJC)
 - Thermistors: $\pm 0.002^{\circ}\text{C}$
- Input Channels: Up to 40 isolated universal inputs
- Flexible configuration: Internal High-Capacity Module and/or DAQ-STAQ Multiplexer
- Selectable scan speed: Up to 10 channels per second
- Four modes of operation: Scan, Monitor, Measure, Digital Multimeter (DMM)

au.flukecal.com/1586A



2638A-100 Extra Universal Input Module for 2638A

The 2638A incorporates the Fluke patented Universal Input Connector to bring more accuracy to thermocouple measurements than most other instruments in its class. The Universal Input Connector supports 14 common thermocouple types.

- Dedicated low burden AC/DC current channels
- 20 universal channels and two dedicated low burden current channels (AC/DC) per module



Software



Software

Designed by measurement experts, Fluke software collects and analyses data maximising the automation of your calibration and testing processes.

750 SW DPC/TRACK2 Software™

Fluke DPC/TRACK2™ software is a specialised calibration management database that makes it easy to manage your instrumentation, create and schedule tests, print a variety of standard reports and manage calibration data.

With DPC/TRACK2 and a 754 DPC you can:

- Manage your inventory of tags and instruments, schedule for calibration
- Create tag specific procedures with instructions and comment
- Load those procedures to your DPC and later upload the results to your PC
- Select and execute automated as found/as left procedures in the field, automatically capturing results
- Examine the calibration histories of your tags and instruments and print reports
- Import and export instrument data and procedures as ASCII text
- Import legacy DPC/TRACK data



700G/TRACK Logging Software

The 700G/TRACK easy-to-use software manages your 700G gauge and displays or upload measurements logged remotely for export for reports.

- Enables data download and logging configurations to the 700G Series gauges for a remote logging event
- Configure logging event reading rate, duration and measurement units
- Upload measurements logged remotely and display or export measurements



LogWare

Turn a Fluke Calibration single-channel handheld or 1502A/1504 readout into a real-time data logger.

- Collects realtime data
- Calculates statistics and displays customisable graphs
- Allows user-selected start times, stop times and sample intervals



Fluke Seminars and Workshops

Fluke offers a variety of tools including hands-on and online training, videos and demos to help increase your skills. Fluke seminars and workshops cover a range of topics to help you learn the latest troubleshooting techniques and best practices. Most of Fluke's seminars and workshops combine instructor lead training with the opportunity to use the tools and try the techniques presented.

PROCESS CALIBRATION TOOLS

The Fluke Process Tools Hands-on training teaches attendees how to test and verify 4-20mA signal and devices as well as various pressure and temperature transmitters which will assist to troubleshoot faster and avoid costly downtime.

WHAT YOU WILL LEARN?

- Testing, troubleshooting, calibrating, process temperature devices
- Testing and troubleshooting 4mA to 20mA control loops
- Measuring loop power supplies and troubleshooting suspect power supplies
- Using a HART transmitter as a mA source
- Testing a I/P with 4 to 20 mA sourcing
- Testing a control valve with a 4 to 20 mA source



MOTORS & DRIVES

The Fluke Hands-on Motors and Drives workshop will assist attendees to troubleshoot faster and avoid downtime using the latest measurement technology and test tools.

THERMOGRAPHY

The Fluke Thermal Imaging Hands-on Workshop will help attendees learn how to troubleshoot faster and avoid downtime using the latest infrared technology and create extensive reports on IR thermography surveys.

POWER QUALITY

The Fluke Power Quality Hands-On Seminar will help attendees discover how to detect and prevent power quality problems with the right tools and knowledge from Fluke. This course will educate attendees to reduce expensive plant downtime by using planned maintenance techniques to improve power quality, and reduce costly electrical utility penalties for poor power quality.

PREDICTIVE MAINTENANCE

The Fluke Predictive Maintenance Workshop provides thermal imaging, vibration testing and general analysis hands-on training that will help learners to troubleshoot faster and avoid downtime using the latest infrared technology and vibration technology.

ENERGY MEASUREMENT

Discover how to reduce energy consumption and increase savings by learning where and how to quantify energy consumption, and identify energy waste.

Learn more at www.fluke.com/au/trainingcentre

Find out more

Find informative application notes, case studies and posters for Process Calibration Solutions at <http://au.fluke.com/PCT>

Based on you. Built by Fluke.



New PCT products from Fluke



Fluke 712B and 714B Temperature Calibrators

For the temperature calibration professional that wants a highly accurate, easy-to-use, single function temperature calibrator the 712B and 714B are ideal test tools. The 712B can measure and simulate (13) different RTD types and resistance and the 714B can measure and simulate (17) different thermocouple types and millivolts.



Fluke 2638A Hydra Series III Data Acquisition System

The Fluke Hydra Series III continues the Hydra Series legacy of precision, multi-channel data acquisition. The new Series III improves on Hydra's industry-leading thermocouple accuracy and adds a new dimension to how you collect and view data in a portable system.



Fluke 3130 Portable Pneumatic Pressure Calibrator

The 3130 Portable Pneumatic Pressure Calibrator is ideal for calibrating pressure transmitters, transducers, gauges and similar devices. The 3130 contains everything you need to generate, control and measure pressure, as well as read the output of the device under test (DUT).



Fluke 700G Precision Pressure Test Gauges

With best-in-class accuracy and measurements, the latest Fluke 700G series precision pressure test gauges were designed to handle all of your pressure calibration needs. These gauges are rugged and easy to use, with twenty three models ranging from ± 10 inH₂O/20 mbar to 10,000 psi/690 bar including absolute pressure ranges.



Your authorised Fluke distributor

Join the conversation

We design our products with you in mind. Yeah, we have guys in lab coats, developing and testing our tools in rooms we dare not enter. But our ideas, the things that drive our intense development process, come straight from the job site—from pros like you. You are the voice of innovation. Tell us what you think. Visit our social media sites, and get the conversation started.

We're listening.



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