



# 1-2-3 GO! Want to optimize your furnace heat treatment process?

Let the new DATAPAQ® TP3 revolutionize your temperature profiling procedures  
Innovation and trusted performance you would expect from the global market leader

## 1 Smarter



**Understand more about your current or future process, with the adaptable TP3 data logger.**

- Up to 20 measurement channels, with pre-configured thermocouple types
- 20 x larger memory – highly detailed profile for even the longest process
- Full connectivity options – Bluetooth®, hardwired and wireless RF telemetry, improved USB download
- Simultaneous monitoring from multiple loggers, to a single PC
- Fully certified TUS capability for AMS 2750E and CQI-9, now including on board correction factors and calibration certificate

\*Bluetooth availability subject to region.

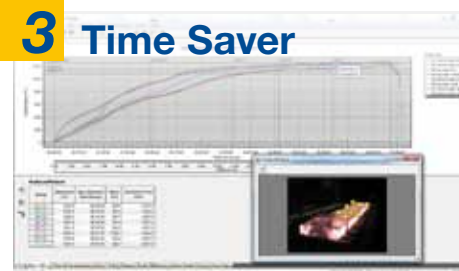
## 2 Stronger



**Need a reliable system that you can confidently run process after process, in the harshest environments?**

- Robust stainless steel case with high thermal mass to prevent thermal damage
- New thermal barrier range for the toughest applications, including 20 channel standard HT, CAB/vacuum brazing, aluminum solution reheat
- User interchangeable battery types – one logger satisfies all application needs
- Improved logger and battery compartment water resistance
- Two 20 channel logger styles to suit standard and evaporative thermal barriers – reduces set-up time

## 3 Time Saver



**Need to save time and lower costs on your data logger use and servicing?**

- Multi run, multi events before download, for improved profile efficiency
- Enhanced on site serviceability – minimize downtime and shipping costs
- User replaceable batteries – eliminate downtime through unnecessary service returns
- Remote service diagnostics – avoid unnecessary service returns
- Multiple logger styles
- Calibration check – maintain confidence that logger is in calibration
- Multiple software language support – 'one click', live language selection to meet operator needs

## More Value to You

### Quality

- Optimize your product quality by getting a perfect heat treatment recipe – profile the product from within the furnace

### Productivity & Efficiency

- Improving your furnace performance allows you to adjust production settings and speed without compromising efficiency

### Rapid Fault Finding

- Reduce downtime, especially for setting up new product recipes and during service periods

### Validation and Certification

- Fully certified and traceable software package for ISO, NADCAP and CQI-9 certification – validate your process for suppliers and internal QC guidelines



APPLICATION	FEATURE	VALUE
<p><b>Metals</b> Slab/billet reheat, aluminum processing, steel plate and tube annealing, steel lamination, bright annealing, aluminum brazing, copper and stainless steel brazing</p>	<ul style="list-style-type: none"> <li>2 logger case styles and a variety of new innovative thermal barriers</li> <li>Increased logger/thermal barrier thermal performance</li> <li>3 user replaceable battery types</li> <li>High accuracy data logger</li> </ul>	<ul style="list-style-type: none"> <li>Save time on setup/training personnel, reduce downtime</li> <li>Extended performance, especially in high temperature short duration processes</li> <li>Eliminate downtime due to battery failure</li> <li><math>\pm 0.3^{\circ}\text{C}/\pm 0.5^{\circ}\text{F}</math> to suit the most stringent requirements</li> </ul>
<p><b>Furnace surveying (CQI-9, AMS2750)</b> Vacuum carburizing, composite manufacturing, aerospace heat treatment, automotive heat treatment</p>	<ul style="list-style-type: none"> <li>Bluetooth connectivity for reset/download and short range data logging</li> <li>On-board correction factors and calibration certificates</li> <li>Multiple TC type on single logger</li> </ul>	<ul style="list-style-type: none"> <li>Cable free operation eliminates cable issues, bluetooth data logging eliminates earth loops issues</li> <li>Eliminate user error by applying correction factors from logger memory, print certificates on-demand</li> <li>SAT and TUS flexibility</li> </ul>
<p><b>Ceramics and kiln firing</b> Sanitaryware, tableware, pottery, brick firing, roof tiles, wall and floor tiles, catalytic converters, spark plug firing</p>	<ul style="list-style-type: none"> <li>Multiple TC type on a single logger</li> <li>Improved thermal barrier design for 20 channel operation</li> <li>Remote logger diagnostics</li> </ul>	<ul style="list-style-type: none"> <li>Flexibility in monitoring product/ambient temperatures</li> <li>Reduce setup time and thermocouple usage</li> <li>Improved serviceability and reduced downtime, due to service issues</li> </ul>