

'DataEzze' - Portable Temperature Recorders

TMS Europe manufactures a range of portable recorders for temperature uniformity surveys of furnaces, ovens and other heat-treatment processes. Our 'DataEzze' recorders combine TMS Europe's enhanced measurement solutions with the time-tested data acquisition technology of either Eurotherm or ABB.

Offering enhanced performance for thermocouple measurements, they feature technical solutions to overcome the often draughty, unpredictable and constantly changing ambient temperature of the real-world environments in which they must be used. And furthermore, combat the heat generated by the recorder itself, which often creates significant cold-junction measurement errors, due to the temperature gradient, on many off-the-shelf recorders, data loggers and acquisition systems.

TMS Europe has over 40 years' experience in calibration and surveying, with our team of calibration engineers servicing customers' sites throughout a diverse range of industries and applications. And in our UKAS (ISO 17025) accredited calibration laboratory, we have seen first-hand the wide array of recording and data logging solutions. With their varying performance in answering the questions posed by the challenges of thermocouple temperature measurement. This experience has enabled us to take some of the best temperature data recording technology on the market, and further enhance it into solutions fully tailored for surveying to highly demanding specifications, such as AMS 2750G, even in the most difficult environments.

Our range is designed with rugged metal cases for true portability around industrial plants. All have common plug-in sensor connectors, so no wiring is needed – saving time and improving reliability. They are mains powered, with universal voltage input, they can be 110V powered where the site safety policy, or availability, requires.

The DataEzze DEE and DER models have a built in touch-screen for live and historic trend viewing, and can also be connected to a computer when desired. The DataEzze DEV models have no display, so act as a 'blind logger', and instead rely on a laptop, netbook or tablet being connected to view and export data.

The 2750 models meet the requirements of AMS 2750G for TUS and include UKAS calibration as standard. For other models calibration is optional, but still competitively priced. Special pricing is offered for a regular calibration package, for working to standards like AMS 2750G.



TMS Europe Ltd is a UKAS accredited calibration laboratory No. 0461. We are accredited for calibration on site and in our laboratory, as defined in our Schedule Of Accreditation (see www.tmseurope.co.uk/soa).

TUS Recorders for AMS 2750

DataEzze DEE2750

- 5, 10 or 15 channels
- Universal Inputs for all common Thermocouples and Pt100s via miniature size 3-pin sockets (takes 2-pin or 3-pin mini plugs).
- TMS's enhanced thermocouple cold-junction-compensation for superior accuracy and stability in unstable ambient environments.
- Built-in display with touch screen interface, 5.5"/140mm size (100mm paper chart recorder equivalent).
- Data export to PC via Ethernet or download to SD card or USB memory stick.
- Meets AMS 2750 requirements for data security and accuracy.
- UKAS (ISO 17025) Calibrated
- Universal mains input (230V or 115V)
- Comprising Eurotherm and TMS Europe technology, built around a 6100A recorder.
- Includes computer software for general analysis and data management. Optional dedicated software for TUS reports to AMS 2750 is also available.



Dimensions: 265 x 430 x 210mm (WxDxH). Case body only: 225 x 360 x 190mm (WxDxH)

DataEzze DER2750

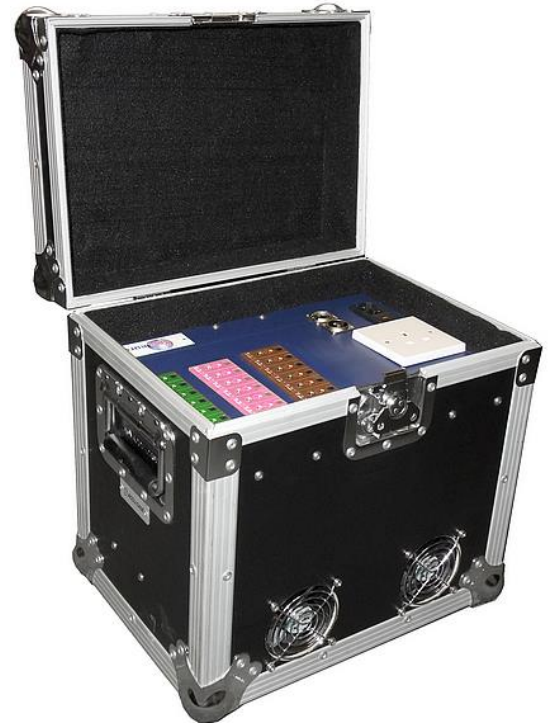
- 6, 12, 18 or 24 channels
- Inputs for all common Thermocouples via universal size 2-pin sockets (takes standard or mini 2-pin plugs).
- Built-in display with touch screen gesture interface, 5.5"/140mm size (100mm paper chart recorder equivalent).
- Data export to PC via Ethernet or download to SD card or USB memory stick.
- Meets AMS 2750 requirements for data security and accuracy.
- UKAS (ISO 17025) Calibrated
- Universal mains input (230V or 115V) (24Vdc option also available)
- Comprising ABB and TMS Europe technology, built around an RVG200 recorder.
- Includes computer software for general analysis and data management.



Dimensions: 265 x 430 x 210mm (WxDxH). Case body only: 225 x 360 x 190mm (WxDxH)

DataEzze DEV2750

- 6, 10 or 16 channels
- Choice of connections for up to 3 Thermocouple Types (e.g. K, N, R) per channel, via universal size thermocouple sockets (takes standard or mini 2-pin plugs).
- No built-in display or interface, all done via your laptop.
- Data export to PC via Ethernet or download to USB memory stick.
- Meets AMS 2750 spec for data security and accuracy
- UKAS (ISO 17025) Calibrated
- Universal mains input (230V or 115V)
- UK socket for connecting your laptop
- Comprising Eurotherm and TMS Europe technology.
- Includes computer software for general analysis and data management. Optional dedicated software for TUS reports to AMS 2750 is also available.



Dimensions (with lid closed): 390 x 300 x 400mm (WxDxH)

Larger display models are also available with 12.1" / 305mm size (180mm chart recorder equivalent). With up to 40 channels for AMS 2750. Contact us for more details.



As an independent UK sensor manufacturer, TMS makes TUS thermocouples, batch calibrated in our ISO 17025 lab and so meet AMS 2750 !

Specification and price subject to change without notice. Appearance may vary from images shown. Trademarks acknowledged.

General Purpose Survey Recorders

DataEzze DER1

- 6, 12, 18 or 24 channels
- Universal Inputs for all common Thermocouples and Pt100s via miniature size 3-pin sockets (takes 2-pin or 3-pin mini plugs).
- Built-in display with touch screen gesture interface.
- Data export to PC via Ethernet or download to SD card or USB memory stick.
- Universal mains input (230V or 115V) (24Vdc option also available)
- Comprising ABB and TMS Europe technology, built around an RVG200 recorder.
- Includes computer software for analysis and data management.
- Optional UKAS (ISO 17025) Calibration



Dimensions: 265 x 400 x 210mm (WxDxH). Case body only: 225 x 330 x 190mm (WxDxH)

DataEzze DEV1

- 6, 8, 10, 12 or 16 channels
- Choice of connections for up to 3 Thermocouple Types (e.g. K, N, T) per channel, via universal size thermocouple sockets (takes standard or mini 2-pin plugs).
- No built-in display or interface, all done via your laptop.
- Data export to PC via Ethernet or download to USB memory stick.
- Universal mains input (230V or 115V)
- UK socket for connecting your laptop
- Comprising Eurotherm and TMS Europe technology.
- Includes computer software for analysis and data management.
- Optional UKAS (ISO 17025) Calibration



Dimensions (with lid closed): 390 x 300 x 400mm (WxDxH)

Larger versions of the DataEzze DEV are also available for up to 32 channels.

Other models

More models and variations are also available and we manufacture bespoke solutions, please contact us with your requirements for more information and pricing.