Oven Tracker® XL2
Data Loggers

Routine oven profiling has never been quicker, easier or more efficient

Send the Datapaq® OvenTracker®XL2 system through the oven and discover the true potential of your finishing operation.

Simply 'plug & go'
Start data collection automatically by connecting the MemoryPaq and Transducer Interface.

Easy data download from the MemoryPaq
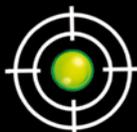Leave the hot thermal barrier and thermocouples at your oven ready for the next run.

Configure Transducer Interface to suit your process
No need for tiresome and risky thermocouple changes between runs.

- *Built to take the heat*
  Tough polycarbonate case and electronics specified to 85°C (185°F) provide system protection during process delays. Robust LEDs allow readable logger status, even when hot.

- *New case interlock keeps logger secure*

- *Ready to go when you are*
  Fast-charge in less than 2 hours.

- *Accurate data guaranteed*
  Data accuracy protected with automatic logger shut down, if temperatures inside the barrier reach 85°C (185°F).

- *Full certification and traceability*
  Instant access to calibration data stored in logger memory. Insight™ analysis software allows easy application of data logger and thermocouple correction factors, maximizing data confidence.

- *Manual 'safe reset'*
  Use the internal reset switch to select factory reset defaults – no need to return to PC.

- *Effortless multi-run operation*
  Perform multiple profiling runs without returning to the PC.

- *Real-time hardwired operation*
  Use the XL2 system outside your batch oven to record data live directly to your PC.

- *16 channel simplicity*
  Extend your operation up to 16 measurement locations in a single run with the Dual Interface Block (DIB).

Instant QA At Oven Exit

SmartPaq operation – pre-program logger with your choice of process pass/fail criteria. At the oven exit, simply check the LED indicator.
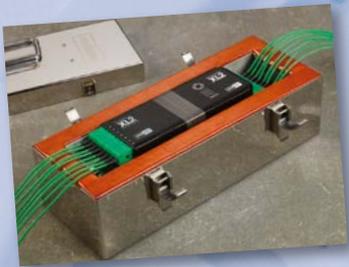
PASS   **FAIL**

MemoryPaq XL2	MP0050
Transducer Interface XL2	TI0060 (6 channel)
	TI0080 (8 channel)
Dual Interface Block (DIB)	DI3000
Dimensions (H x W x L)	24 mm x 75mm 170 mm (0.9 in x 3.0 in x 6.7 in)
Weight	0.25 kg (0.6 lbs)
Logger Accuracy	±0.3°C (±0.5°F) (8 channel, 5s sample interval, measuring 200°C/392°F, XL2 at 25°C/77°F)
NAMAS calibration	Optional
Resolution	0.1°C (0.2°F)
Temperature Range	-200°C to 1370°C (-328°F to 2498°F)
CJC (Cold Junction Compensation)	Yes
Measurement accuracy	±1.4°C (2.52°F) (logger plus thermocouple)
Logger/thermocouple correction factors	Yes
Operating temperature	0°C to 85°C (32°F to 185°F)
Storage temperature	-55°C to 100°C (-67°F to 212°F)
Humidity range	0 to 85% non condensing
Over temperature auto shut off	85°C (185°F)
Thermocouple type	Type K*
Number of channels	6 or 8 (standard)
Auto TI configuration	Yes
Dual logger option	Yes (Dual Interface Block)
	Up to 16 channels
MP/TI interlock	Yes
Logger construction	Polycarbonate (max 100°C/212°F)
MultiRun capability	Yes (up to 10)
Memory	4MB (capable of 10 runs, 8 thermocouples, 60 mins, 5s)
	Total run time for 8 channels at 5s sample interval=17.5 hrs
Hot data protection	Yes
Non-volatile memory	Yes
Data collection	Plug & Go; temperature trigger
Sampling interval	0.5s to 50 mins
Real time data	Yes
Manual reset override	Yes (Use stylus with reset button, factory defaults 5 secs; all Channels; Plug & Go)
Over temperature protection	Yes (non operation >45°C/113°F)
Battery type	NiMH rechargeable
Battery life	50 hrs (8 channel x 5s)
Fast charge	Standard power cable (less than 2 hours for full charge)
Intelligent power management	Yes
Status LED's	7 segment display; battery (x2); logger (x3)
SmartPaq function	Yes
USB	Yes
Serial comms	No
Auto detection by software	Yes
Onboard calibration data	Yes
Onboard service history file	Yes
Thermocouple options	Standard Datapaq range

Specified to ANSI MC96.1 Special Limits of Error (±0.4% or ±1.1°C/2.0°F, whichever is greater).

Fluke Process Instruments