



A Fluke Company

Oven Tracker[®] XL2

Accessories List

DATA LOGGER

MP0050 MemoryPac XL2 Data logger

Used with Transducer Interface XL2 TI0060/TI0080.

Programmable sampling interval (0.5s to 10mins); SmartPac process pass/fail function; hard wired real-time telemetry ready; multi-run capability (x10); non volatile 4MB memory with hot data protection; operating temperature 85°C (185°F); NiMH rechargeable battery; USB comms via cable CII 150. Supersedes obsolete MP0030. Compatible with v7.0 Insight[™] software only. Supplied with charger cable CH0070.

TI0060 Transducer Interface XL2 (6 Channel)

Connects directly to the MemoryPac XL2 (MP0050). Temperature range: -200°C to 1,370°C (-328 to 2498°F); accuracy $\pm 0.3^{\circ}\text{C}$ ($\pm 0.54^{\circ}\text{F}$); type K thermocouple; cold junction compensation guarantees accuracy up to 85°C (185°F); individually calibrated channels; software applied logger and thermocouple correction factors possible. Supplied with calibration certificate. Supersedes obsolete TI0031. Compatible with v7.0 Insight software only.

TI0080 Transducer Interface XL2 (8 Channel)

Connects directly to the MemoryPac XL2 (MP0050).

Temperature range: -200°C to 1,370°C (-328°F to 2498°F); accuracy $\pm 0.3^{\circ}\text{C}$ ($\pm 0.54^{\circ}\text{F}$); type K thermocouple; cold junction compensation guarantees accuracy up to 85°C (185°F); individually calibrated channels; software applied logger and thermocouple correction factors possible. Supplied with calibration certificate.

Supersedes obsolete TI0032. Compatible with v7.0 Insight software only.

DI3000 OvenTracker XL2 Dual Interface Block (DIB)

Allows use of two Transducer Interface XL2 units with a single MemoryPac XL2. Extends channel configuration from 8 up to 16. Compatible only with TB0083 thermal barrier.

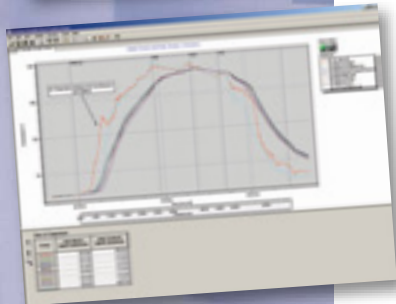
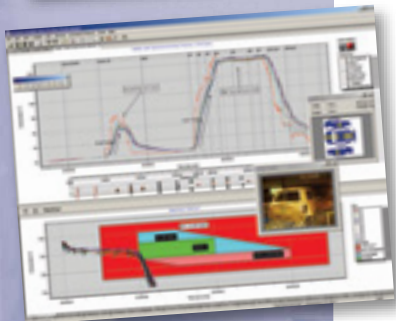
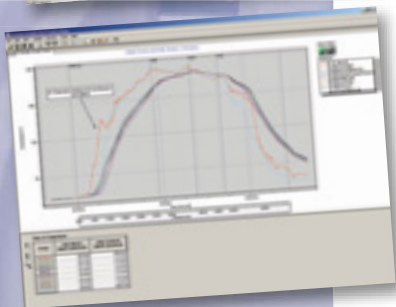
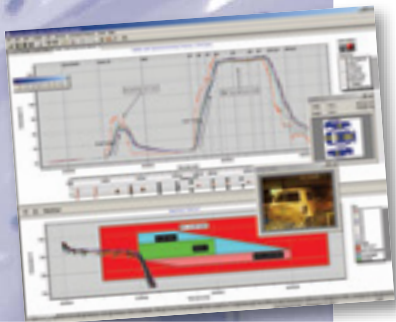
CII 150 Oven XL2 Computer Interface (USB)

Connects directly to the MemoryPac XL2 to enable logger reset, download or real time data collection. Compatible with v7.0 Insight software only, with auto detect function.

CH0070 Datapac Charger - XL2, Q18/Q4, Tpac21, Multipac21, Datapac11 and DP9000

Charger used with MP0050 to recharge the NiMH battery. Connects directly into the MemoryPac XL2, giving approx. 50 hours of battery life with less than 2 hours of charging.





SOFTWARE

SW5000-P Insight Professional software for OvenTracker (English) **SW5000-B Insight Basic software for OvenTracker (English)**

Includes Operator Manual and Quick Reference Guide.
Compatible with Oven Tracker XL2, Q18 and Tpaq21 data loggers.
Compatible with Windows 2000, XP, Vista.
Not suitable for Windows V3.1, 95, NT4, 98, ME.

SW5000-P+ Insight Professional software for OvenTracker (Other languages) **SW5000-B+ Insight Basic software for OvenTracker (Other languages)**

Includes Operator Manual and Quick Reference Guide.
Compatible with Oven Tracker XL2, Q18 and Tpaq21 data loggers.
French SW5001; German SW5002; Spanish SW5003; Portuguese SW5004;
Japanese SW5005; Simplified Chinese SW5006; Italian SW5007; Korean SW5008;
Slovak SW5009; Czech SW50010; Traditional Chinese SW50011; Russian SW50012; Vietnamese SW50014.

UG5000-P Software upgrade from earlier version to Insight Professional software for OvenTracker (English) **UG5000-B Software upgrade from earlier version to Insight Basic software for OvenTracker (English)**

Includes Operator Manual and Quick Reference Guide. No communication cable.
Compatible with Oven Tracker XL2, Q18 and Tpaq21 data loggers.

UG5000-P+ Software upgrade from earlier version to Insight Standard Software for OvenTracker (Other languages) **UG5000-B+ Software upgrade from earlier version to Insight Basic Software for OvenTracker (Other languages)**

Includes Operator Manual and Quick Reference Guide. No communication cable.
Compatible with Oven Tracker XL2, Q18 and Tpaq21 data loggers.
French SW5001; German SW5002; Spanish SW5003; Portuguese SW5004;
Japanese SW5005; Simplified Chinese SW5006; Italian SW5007; Korean SW5008;
Slovak SW5009; Czech SW50010; Traditional Chinese SW50011; Russian SW50012; Vietnamese SW50014.

THERMAL BARRIERS

TB0090 Standard Thermal Barrier

Accepts Oven Tracker XL2 Loggers (6/8 Channels)
Silicone free/aluminum construction. Suitable heat sink: 1 x TB9950.
Duration: 1 hour@300°C (575°F), 3 hours@200°C (400°F), 11 hours@100°C (200°F).
Dimensions (HxWxL): 134mm x 187mm x 296mm (5.3in x 7.4in x 11.7in)
Weight (including heat sink): 3.65kg (8lbs)

TB9950 Standard XL2 Thermal Barrier Heat sink

Accepts Oven Tracker XL2 Loggers (6/8 Channels)
Plastic molding filled with phase change material.
Phase change temperature 58°C (136°F)
Weight: 1.0kg (2.2lbs)

THERMAL BARRIERS

TB0091-WH Slim Thermal Barrier (with Heat sink)

Accepts Oven Tracker XL2 Loggers (6/8 Channels)

Process: 2-piece can manufacture (IBO); general low height, mesh belt ovens; portable system for traveling paint representatives.

Silicone free/aluminum construction. Suitable heat sink: 1 x TB9115B.

Duration: 48mins@300°C (575°F), 105mins@200°C (400°F), 270mins@100°C (200°F).

Dimensions (HxVxL): 104mm x 187mm x 296mm (4.1in x 7.4in x 11.65in)

Weight (including heat sink): 3.2kg (7.0lbs)

TB0091-IT Slim Thermal Barrier (with Insert Tray)

Accepts Oven Tracker XL2 Loggers (6/8 Channels)

Process: 2-piece can manufacture (IBO); general low height, mesh belt ovens; portable system for traveling paint representatives.

Silicone free/aluminum construction. Suitable insert tray: 1 x TB9121.

Duration: 35mins@300°C (575°F), 49mins@200°C (400°F), 106mins@100°C (200°F).

Dimensions (HxVxL): 104mm x 187mm x 296mm (4.1in x 7.4in x 11.65in)

Weight (including insert tray): 2.3kg (5lbs)

TB0080 High Temperature Thermal Barrier

Accepts Oven Tracker XL2 Loggers (6/8 Channels)

Process: high temperature coating cure applications such, as PTFE and Dacromet.

Stainless Steel (304 grade). Suitable heat sink: 1 x TB1001; 1 x TB9115B.

Duration: 300mins@200°C (400°F), 120mins@400°C (750°F), 75mins@600°C (1110°F).

Dimensions (HxVxL): 150mm x 215mm x 335mm (5.9in x 8.5in x 13.2in)

Weight (including heat sinks): 8.8kg (19.4lbs)

TB0081 Long Duration Thermal Barrier

Accepts Oven Tracker XL2 Loggers (6/8 Channels)

Process: aluminum aging/long low temperature cure. Monitor complete automotive paint cure line with a single uninterrupted run. (E-coat; primer surfacer; base coat; clear coat).

Silicone free/stainless Steel (304 grade). Suitable heat sink: 1 x TB1001; 1 x TB9963.

Duration: 6 hours@250°C (475°F), 9 hours@200°C (400°F), 13 hours@150°C (300°F), 24 hours@100°C (200°F).

Dimensions (HxVxL): 182mm x 236mm x 370mm (7.2in x 9.3in x 14.6in)

Weight (including heat sinks): 11.5kg (25.3lbs)

TB5010-XL IP65 Waterproof Thermal Barrier

Accepts Oven Tracker XL2 Loggers (6/8 Channels)

Process: dry-off ovens or processes where there is a risk of the system traveling via water shower/rinse operations. Stainless Steel (304 grade).

Suitable heat sink: 1 x TB9963.

Duration: 10hrs@100°C (200°F), 3.75hrs@200°C (400°F), 2.5hrs@250°C (475°F).

Dimensions (HxVxL): 100mm x 219mm x 393mm (3.9in x 8.6in x 15.5in)

Weight (including heat sinks): 6.0kg (13.2lbs)

THERMAL BARRIERS

TB0083 DIB Thermal Barrier (XL2 8-16 Channels)

Accepts Oven Tracker XL2 Loggers plus Dual Interface Block (DIB)

Process: automotive assembly. Monitoring new model paint lines during optimization studies that require up to 16 channels. Silicone free/stainless steel (304 grade) construction. Suitable heat sink: 1 x TB9960.

Duration: 1 hour@300°C (575°F), 3 hours@200°C (400°F), 11 hours@100°C (200°F).

Dimensions (HxWxL): 144mm x 172mm x 390mm (5.7in x 6.8in x 15.4in)

Weight (including heat sink): 5.95kg (13.1lbs)

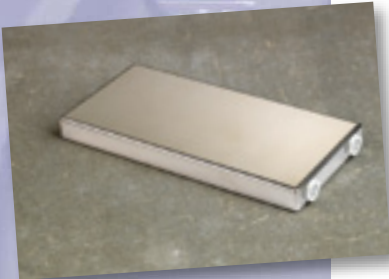


TB1001 Heat Sink

Stainless steel case filled with phase change material.

Phase change at 58°C (136°F).

Weight 1.0kg (2.2lbs).



TB9115B Heat Sink

Heat sink used in TB0091-WH and TB0080. Accepts XL2 loggers (6/8 channels).

Stainless steel case filled with phase change material. Phase change at 58°C (136°F).

Weight: 1.1kg (2.4lbs).

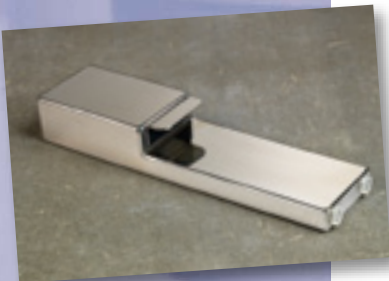


TB9960 Heat Sink

Heat sink used in the TB0083 XL2 Thermal Barrier for XL2 loggers (12-16 Channels).

Stainless steel case filled with phase change material. Phase change at 48°C (118°F).

Weight: 1.45kg (3.2lbs).



TB9963 Heat Sink

Heat sink used in the TB5010-XL and TB0081 Thermal Barriers for XL2 loggers.

Stainless steel case filled with phase change material. Phase change at 58°C (136°F).

Weight: 1.5kg (3.3lbs).



SC0084 Retaining Clip (Pack of 8)

'R' clip used to lock thermal barrier catches.

Used on TB0090/TB0091/TB0080/TB0081/TB0083.



THERMOCOUPLES

Exposed Junction Thermocouple

Taped, spot-welded or soldered direct to components for measuring substrate temperature. Can also be used to measure environmental temperatures.

PA0063	1.5m (5ft) PTFE insulated cable 265°C (509°F) max
PA0065	2.0m (6ft) PTFE insulated cable 265°C (509°F) max
PA0064	3.0m (10ft) PTFE insulated cable 265°C (509°F) max
PA0071	8.0m(26ft) PTFE insulated cable 265°C (509°F) max
PA0180	3.0m (10ft) Glass fiber cable 500°C (930°F) max
PA0182	1.5m (5ft) Glass fiber cable 500°C (930°F) max
PA0181	2.0m (6ft) Glass fiber cable 500°C (930°F) max

High Temperature Adhesive Tape

Used to secure exposed junction thermocouples. Supply restricted in certain geographical locations. Contact Datapaq for clarification.

CSI030	33m (36 yards) long reel. Maximum temperature 400°C (752°F). <i>(Available in the United States of America ONLY)</i>
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PA0980 MicroMag Magnetic Thermocouple Mount

Designed to secure exposed junction thermocouples to ferrous substrates when being used for air measurement (as shown), or substrate temperatures in conjunction with high temperature tape. Compatible with light and heavy duty PTFE patch, glass fiber and mineral insulated exposed junction thermocouples. Thermocouples not included.

Adhesive Patch Thermocouple

Attaches directly to light gauge metal or plastic with adhesive patch and or high temperature tape (HT0090). Ideal where fast response is required or IR processes.

PA0060	1.5m (5ft) PTFE insulated cable 265°C (509°F) max
PA0062	3.0m (10ft) PTFE insulated cable 265°C (509°F) max

Micro Mag Air Thermocouple

Attaches directly to ferrous substrates using a strong SmCo magnet with diameter of only 17mm (0.7in). Ideal for measuring air temperatures in the tightest of recesses.

PA0995	1.5m (5ft) PTFE insulated cable 265°C (509°F) max
PA0996	3.0m (10ft) PTFE insulated cable 265°C (509°F) max
PA0999	6.0m (20ft) PTFE insulated cable 265°C (509°F) max

THERMOCOUPLES

Micro Mag Surface Thermocouple

Attaches directly to ferrous substrates using a strong SmCo magnet with diameter of only 17mm (0.7in). Ideal for measuring substrate temperatures in the tightest of recesses. Encapsulated magnet design allowing reliable direct use even on wet painted and E-coated substrates. No risk of either magnet damage or magnet loss when the probe is removed from the cured paint surface at end of the oven process.

PA0973	1.5m (5ft) PTFE insulated cable 265°C (509°F) max
PA0974	3.0m (10ft) PTFE insulated cable 265°C (509°F) max
PA0975	6.0m (20ft) PTFE insulated cable 265°C (509°F) max

Magnetic Surface Thermocouple

Attaches directly to flat ferrous substrates to measure substrate temperatures.

PA0053	1.5m (5ft) PTFE insulated cable 265°C (509°F) max
PA0054	3.0m (10ft) PTFE insulated cable 265°C (509°F) max
PA0050	6.0m (20ft) PTFE insulated cable 265°C (509°F) max

Magnetic Air Thermocouple

Attaches directly to flat ferrous substrates to measure air/environmental temperatures.

PA0055	1.5m (5ft) PTFE insulated cable 265°C (509°F) max
PA0056	3.0m (10ft) PTFE insulated cable 265°C (509°F) max
PA0059	6.0m (20ft) PTFE insulated cable 265°C (509°F) max

Washer Thermocouple

Screwed directly to large, heavy metal substrates.

PA0081	1.5m (5ft) PTFE insulated cable 265°C (509°F) max
PA0082	3.0m (10ft) PTFE insulated cable 265°C (509°F) max

Clamp Surface Thermocouple

Attaches to non ferrous components for measuring substrate temperature.

PA0011	1.5m (5ft) PTFE insulated cable 265°C (509°F) max
PA0012	3.0m (10ft) PTFE insulated cable 265°C (509°F) max
PA0016	6.0m (20ft) PTFE insulated cable 265°C (509°F) max
PA1710	1.5m (5ft) glass fiber insulated with stainless steel outer braid

Clamp Air Thermocouple

Attaches to non ferrous components for measuring air/environmental temperature.

PA0021	1.5m (5ft) PTFE insulated cable 265°C (509°F) max
PA0022	3.0m (10ft) PTFE insulated cable 265°C (509°F) max
PA0025	6.0m (20ft) PTFE insulated cable 265°C (509°F) max
PA1720	1.5m (5ft) glass fiber insulated with stainless steel outer braid

THERMOCOUPLES

AluClamp Surface Thermocouple

For use on aluminum car hood/bonnet. Attaches to the edge of an aluminum, or any nonferrous panel to allow surface temperature measurement.

Arm reach 300mm (12in).

PA1351 1.5m (5ft) PTFE insulated cable 265°C (509°F) max

PA1352 3.0m (10ft) PTFE insulated cable 265°C (509°F) max



IRMag Surface Thermocouple

Magnetic thermocouple designed to measure ferrous substrates in IR cure ovens. Combines easy attachment with fast thermocouple response. Ideal for automotive IR repair ovens. High temperature cable rating to prevent damage from IR emitter banks.

PA1361 1.5m (5ft) Stainless steel braid, glass fiber insulated cable. 400°C (750°F) max

PA1362 3.0m (10ft) Stainless steel braid, glass fiber insulated cable. 400°C (750°F) max



Spares

PA0980 MicroMag Mount

PA1371 1.5m (5ft) replacement cable and cable guide

PA1372 3.0m (10ft) replacement cable and cable guide

Aluminum Automotive Thermocouples

Designed for surface measurement of an aluminum car body shell. The springloaded bobbin attaches to any recess in the inner car body skin. A sprung steel arm is custom adjusted to position the temperature sensor on the outer body skin.

PA0030 AI - Auto Spring Action Thermocouple Mount

**PA0032 AI - Auto Surface Thermocouple Arm Assembly
1.5m (5ft) PTFE insulated cable. 265°C (509°F) max**

**PA0033 AI - Auto Surface Thermocouple Arm Assembly
3.0m (10ft) PTFE insulated cable. 265°C (509°F) max**



Designed for air measurement of an aluminum car body shell. The spring-loaded bobbin attaches to any recess in the inner car body skin.

PA0030 AI - Auto Spring Action Thermocouple Mount

**PA0036 AI - Auto Air Arm Assembly
1.5m (5ft) PTFE insulated cable. 265°C (509°F) max**

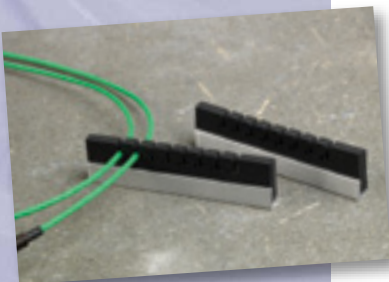
**PA0037 AI - Auto Air Arm Assembly
3.0m (10ft) PTFE insulated cable. 265°C (509°F) max**



PA2050 Thermocouple Cable Tidy

Keep cable routing even, prevent kinking and tangling.

Easy thermocouple identification. Secures up to 8 cables.



THERMOCOUPLES



PA2051 Thermocouple ID Tags (pack of 8 tags, numbered 1 to 8)

Aluminum ID tags fitted to the sensor end of the thermocouple cable to allow clear identification of the thermocouple number or channel, even when the barrier is closed.



PA2052 Hanging Storage Strap

Hang mild steel strap from the barrier; attach clamp thermocouples to transport safely. Also provides tidy storage facility for clamp or magnetic thermocouples.



CC0050 Soft Carry Bag for XL2

Designed for storage and transport of the Oven Tracker XL2 standard System (TB0090 and TB0091). Complete with shoulder strap for ease and comfort.



CC0057 Robust Hard Carry Case for XL2

Designed for storage and transport of the Oven Tracker XL2 standard System (TB0090 and TB0091). Ideal for air travel. Strong, lockable and watertight, with comfortable handle.



DOCUMENTATION

XL2 Quick Reference Guide (QRG)

MA5650A English; MA5651A German; MA5652A French; MA5653A Spanish; MA5654A Portuguese; MA5655A Italian; MA5656A Simplified Chinese; MA5657A Japanese; MA5658A Korean; MA5659A Slovak; MA56510A Czech; MA56511A Traditional Chinese; MA56515AVietnamese



XL2 Operator Manual

MA5150A English; MA5151A German; MA5152A French; MA5153A Spanish; MA5155A Italian; MA5156A Simplified Chinese

The Worldwide Leader in Temperature Profiling



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