



Endurance[®] Series

Accessories

Electrical Accessories

Multi-conductor cables* with M16 connector



The 12-wire cables are used for wiring the Endurance sensors with the 24 VDC power supply, all inputs, outputs, and the RS485 interface. A terminal strip is not included.

 <p>High temperature cable:</p>	E-2CCB4	4 m (13 ft.)	Ambient temperatures: UL-rated at -80 °C to 180 °C (-112 °F to 356 °F) Material: cable is Teflon coated
	E-2CCB8	8 m (26 ft.)	
	E-2CCB15	15 m (50 ft.)	
	E-2CCB30	30 m (100 ft.)	
	E-2CCB60	60 m (200 ft.)	
 <p>Low-temperature cable</p>	E-2CLTCB4	4 m (13ft.)	Ambient temperatures: -40 °C to 85 °C (-40 °F to 185 °F) Material: cable is PUR-11Y (Polyurethane) coated (Halogen free, Silicon free)
	E-2CLTCB8	8 m (26 ft.)	
	E-2CLTCB15	15 m (50 ft.)	
	E-2CLTCB30	30 m (100 ft.)	
	E-2CLTCB60	60 m (200 ft.)	



Note: Power supply maximum distance 60 m (200') from unit

* Cable doesn't include a terminal block. Please order E-TB or E-TBN4, if you want to include a terminal block.







Ethernet cables with M12, RJ45 connector for access to PoE, Ethernet

	E-ETHCB	7.5 m (25 ft.)	Ambient temperatures: -80 °C to 180 °C (-112 °F to 356 °F) Material: cable is Teflon coated.
	E-ETHCB10	10 m (33 ft.)	
	E-ETHLTCB	7.5 m (25 ft.)	Ambient temperatures: -40 °C to 80 °C (-40 °F to 176 °F) Material: cable is PUR (Polyurethane) coated
	E-ETHLTCB25	25 m (80 ft.)	
	E-ETHLTCB50	50 m (160 ft.)	





Other electrical accessories for Endurance sensors

	E-TB	Endurance terminal block accessory for connecting the Endurance sensor with the customer's industrial environment
	E-TBN4	Endurance terminal block in an IP65 (NEMA 4) enclosure with sealed cable inlets The inside the enclosure installed terminal block is equal to the above-described E-TB type.

(Electrical accessories for Endurance sensors)

	E-SYSPS	<p>Industrial power supply, DIN rail mount delivers isolated dc power and provides short circuit and overload protection.</p> <p>Protection class prepared for class II equipment Environmental protection IP20 Operating temperature -25 °C to 55 °C (-13 °F to 131 °F) AC input 100 – 240 VAC, 44 - 66 Hz DC output 24 VDC / 1.3 A</p>
	E-PS	<p>Power supply & Endurance terminal block mounted in an IP65 (NEMA 4) enclosure</p> <p>AC input 100 – 240 VAC, 50 - 60 Hz DC output 24 VDC / 1.1 A Ambient temperatures 0 °C to 50 °C (32 °C to 120 °F) Humidity 20 to 90%, non-condensing</p>
	E-POE	<p>PoE Injector provides power and also acts as a single Ethernet hub.</p> <p>AC input 100 – 240 VAC, 50 - 60 Hz PoE power up to 15.4 W PoE output ports 1 RJ-45 10/100/1000 Mbps Standards IEEE 802.3, IEEE 802.3u, IEEE 802.3af (PoE standard)</p>
	E-2CCON	<p>12-socket DIN Cable connector for multi-conductor cable</p>
	E-M5PK	<p>Irocn® Modline® 5 patch cable kit allows Endurance use with existing Modline 5 cables.</p>
	E-USB485	<p>USB to RS232/422/485 converter for the direct adaptation of an Endurance series device to a standard PC via the USB-interface.</p>


Mechanical/Optical Accessories

	E-AP	<p>Air purge collar to keep dust, moisture, airborne particles and vapors away from the lens.</p>
	E-PA	<p>Pipe adapter to adapt a 300 mm (12") sighting tube to the Endurance device.</p>
	E-MN	<p>Mounting nut (spare) to fix and secure the Endurance device to any kind of mounting brackets (inner thread of 36.9 mm (1.5") UNC).</p>
	E-FB	<p>Fixed bracket (spare) to mount the Endurance sensor in a fixed location (swivel range of about 45°).</p>

(Mechanical/Optical Accessories)

	E-AB	<p>Adjustable bracket to mount the Endurance sensor in a moveable position. It allows pitch and swivel of the sensor-sighting axis in a range of approximately 45° per axis.</p>
	E-SB	<p>Swivel bracket to mount the Endurance sensor in a moveable position. It allows pitch (0° – 45°) and swivel (0° - 360°) of the sensor-sighting axis.</p>
	E-RA	<p>Right angle mirror for targets at right angles to sensor axis. The right angle mirror has an air-purge adapter.</p>
	E-M5WJAK	<p>Modline 5 WaterJacket (WJA) adapter kit is required to modify the WJA to allow the Endurance sensor to be secured in the Modline 5 WJA.</p>
	E-UAA	<p>Endurance universal adapter accessory clamps around the Endurance sensor, and can be used to mount it to an existing Modline 5 installation, where a RAM (Right Angle Mount) is used, a tripod, or any device using a 1/4–20 UNC threaded mounting hardware.</p>
	E-AK-7	<p>Adapter kit for mounting Endurance into existing WJ-5 water jacket installations.</p>
	E-MF-7	<p>Mounting flange allows an Endurance sensor to be mounted into an existing Ircon flange mount installation. This accessory needs to be used in conjunction with the E-MFA-7 flange adapter.</p>
	E-MFA-7	<p>Flange adapter to allow Endurance sensor to mount to MF-7 mounting flange.</p>
	E-PC	<p>Protection cap kit for Endurance sensor M12 and M16 sockets</p>
	E-ECAP	<p>Replacement glass end-cap is the replacement of a defect or damaged Endurance end cap.</p>
	E- PW	<p>Protective front window, including O-Ring The protective front window with the needed O-ring is orderable as a spare part.</p>

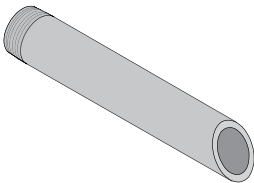

(Mechanical/Optical Accessories)

	E-PFEC	<p>Polarizing filter end cap The filter protects the eyes when sighting on bright, high temperature targets through the visual sighting port. The filter does not affect measured energy. The polarizing filter will not fit in the standard end cap.</p>
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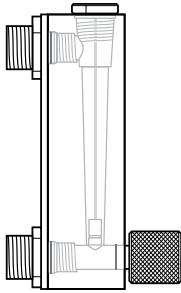

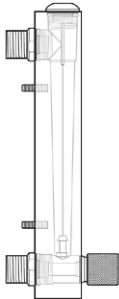
ThermoJacket and related Accessories

	E-TJ1	<p>ThermoJacket housing to use Endurance series sensing heads in ambient temperatures up to 315 °C (600 °F). The ThermoJacket provides water and/or air-cooling and air purging in one unit. Ambient temperatures: water cooling 315 °C (600 °F) air cooling 115 °C (240 °F)</p>
	E-MF	<p>Mounting Flange for ThermoJacket to mount the ThermoJacket to walls, existing ports or flanges.</p>
	E-MB	<p>Adjustable mounting base for ThermoJacket provides stable, permanent placement of the ThermoJacket while allowing the ThermoJacket to swivel 360° and pitch 90° forward.</p>
	E-GTQ	<p>Blast Gate Assembly with Quartz Window (HT model) to protect the sensor, and perform tasks without exposure to hot or explosive target areas. Specification: max. 870 °C (1600 °F)</p>
	E-APA	<p>Adjustable pipe adapter assembly can be placed permanently on a surface and aimed in any direction within a 45° radius.</p>
	E-MST	<p>Mounting flange for use with sighting tubes to adapt different kind of sighting tubes to the Endurance sensor in ThermoJacket installation.</p>
	E-STC12	<p>30 cm (12") sighting tube, ceramic Use the E-STC12 ceramic sighting tube in conjunction with the E-MST tube-mounting flange in temperature measurement environments where reflected energy is a problem. Specification: up to 1500 °C (2730 °F)</p>
	E-ST12	<p>30 cm (12") sighting tube, stainless steel Use the E-ST12 stainless steel sighting tube in conjunction with the E-MST tube-mounting flange in temperature measurement environments where reflected energy is a problem. Specification: up to 800 °C (1470 °F)</p>

(ThermoJacket and related Accessories)

	<p>E-BEESIGHT</p>	<p>30 cm (12") sighting tube, carbon steel with 45 degree end cut and slotted weep hole at base. Use the E-BEESIGHT carbon steel sighting tube in conjunction with the E-MST tube-mounting flange in temperature measurement environments where reflected energy is a problem. Specification: up to 800 °C (1470 °F)</p>
	<p>E-TJET</p>	<p>Extraction tool eases the removal of an Endurance sensor from the ThermoJacket protective enclosure.</p>

Flow Regulator Accessories (for use with cooling/purging options)

	<p>E-WR</p>	<p>Water flow regulator to control water-cooling</p>
	<p>E-AR</p>	<p>Air purging flow regulator assembly with air filter to control air purging</p>
	<p>E-CAFR</p>	<p>Cooling air flow regulator (high capacity) to control air-cooling in high ambient temperature environments.</p>

Line scanning accessory



SSA

SpotScan™

When mounted to the front of the Endurance sensor, the SpotScan accessory allows the user to gather temperature information over a larger area on the target, due to the scanning mechanism inside the accessory.

Scan angle	2 - 15°
Scan Frequency	0.5 - 5 Hz
Operating Temperature	0 °C - 60 °C (32 °F - 140 °F)
Power Supply	18 - 32 VDC, 12W
Enclosure Rating	IP65 (when sensor is fitted in accessory)
Window material	N-BK7

The Fluke Process Instruments Guarantee

The Endurance Series is supported by a 4 year warranty. With a network of trained representatives and agents in over one hundred (100) countries and offices located in the U.S., Germany and China, we provide local service and support you can rely on time after time.

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