

Accessories


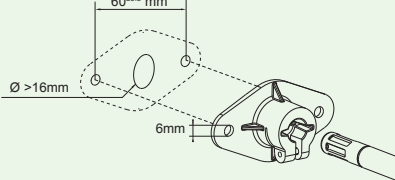

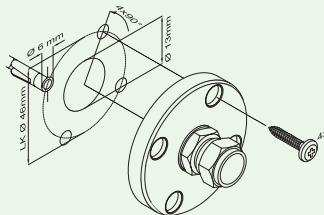

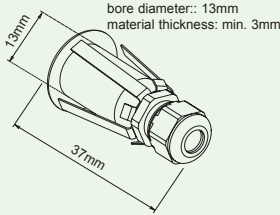

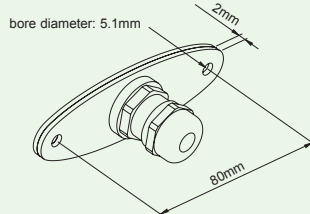

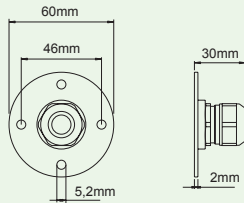

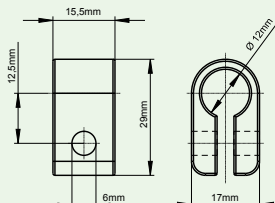
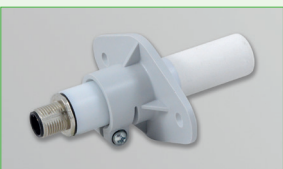
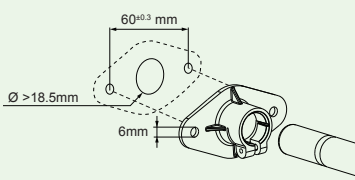
Filter Caps for Humidity and Dewpoint Transmitters

The choice of appropriate filter cap is essential for the long term performance of the sensor in a certain application.


For assistance please contact your local support - <http://www.epluse.com/en/service-support/locations-distributors/>.

FILTER NAME	CONSTRUCTION	FEATURES	APPLICATIONS	TYPE NO.
MEMBRANE 	Body: polycarbonate Filter: PTFE membrane Pores size: 1µm Length: 34mm (1.34")	Very good protection against fine dust T range: -40...80°C (-40...176°F) Response time $t_{10/90}$: 15s	Building automation Dusty environment	HA010101
STAINLESS STEEL SINTERED 	Material: sintered stainless steel Pores size: 10µm Length: 33mm (1.30")	For high mechanical stress and strong pollution T range: -40...180°C (-40...176°F) Response time $t_{10/90}$: 30s	Industrial process control Agriculture Life stock barns Unsuitable for condensing environment	HA010103 (for plastic probes) HA010117 (for metal probes)
PTFE 	Material: PTFE sintered Pores size: 50µm Length: 33mm (1.30")	For very dirty, oily environment T range: -40...180°C (-40...176°F) Response time $t_{10/90}$: 14s	Industrial process control Chemical industry Very polluted environment Unsuitable for condensing environment	HA010105
METAL GRID 	Body: polycarbonate Filter: stainless steel wire mesh Pores size: 30µm Length: 33mm (1.30")	For low mechanical stress and low pollution level For high RH / condensing environment T range: -40...120°C (-40...248°F) Response time $t_{10/90}$: 15s	Climate control Dryers and humidifiers HVAC	HA010106
STAINLESS STEEL GRID 	Body: stainless steel Filter: stainless steel wire mesh Pores size: 30µm Length: 39mm (1.54")	For average mechanical stress and low pollution level For high RH / condensing environment T range: -40...120°C (-40...248°F) Response time $t_{10/90}$: 15s	Industrial process control Clean rooms	HA010109
H₂O₂ 	Material: PTFE sintered Pores size: 50µm Length: 33mm (1.30")	Catalytic filter for H ₂ O ₂ environment T range: -40...180°C (-40...176°F) Response time $t_{10/90}$: 14s	Pharmaceutical Biotech Sterilization with H ₂ O ₂	HA010115
PTFE STAINLESS STEEL 	Body: stainless steel Filter: PTFE membrane, replaceable Pores size: 2µm Length: 39mm (1.54")	For average mechanical stress High pollution levels T range: -40...180°C (-40...176°F) Response time $t_{10/90}$: 14s Water ingress pressure > 0.5bar	For EE33-J and EE33-K in: Meteorology Continuous high humidity Condensing environment	HA010114: complete filter HA010114ME: PTFE membrane
METAL GRID FOR EE08 	Body: polycarbonate Filter: stainless steel wire mesh Pores size: 30µm Length: 25mm (1")	For low mechanical stress Low pollution level For high RH / condensing environment T range: -40...120°C (-40...248°F) Response time $t_{10/90}$: 15s	Meteorology Climate control	HA010113
STAINLESS STEEL 	Material: stainless steel Openings: ø3mm Length: 32mm (1.26")	For moisture in oil transmitters and handhelds	Hydraulic, lubrication and isolation oil monitoring	HA010110


Mounting Flanges

NAME	SUITABLE FOR	DIMENSIONS (in mm)	ORDER CODE
Plastic mounting flange 12mm (0.47") 	EE65, EE66 EE060, EE061 EE160 max. temperature: 60°C (140°F)		HA010202
Stainless steel mounting flange 12mm (0.47") 	EE23, EE31, EE33		HA010201
Stainless steel mounting flange 5mm (0.2") 	EE23 - model H EE31 - model H		HA010208
Stainless steel mounting flange 8mm (0.3") 	EE75 EE33-MFTJ (temperature probe)		HA010207
Duct mounting kit 	EE07, EE071 EE220		HA010209
Wall mounting clip Ø12mm (0.47") 	For all probes with Ø12mm (0.47") -35...105°C (-31...221°F)		HA010211
Plastic mounting flange Ø18.5mm (0.73") 	EE871		HA010212


LC Displays

NAME	SUITABLE FOR		ORDER CODE
LC display + cover 	EE220	metal	D07M
		polycarbonate	D07P
	EE23	metal	D03M
		polycarbonate	D03P
	EE31, EE35, EE36	metal	D05M
		polycarbonate	D05P
	EE33	metal	D05M

Power Supply Unit


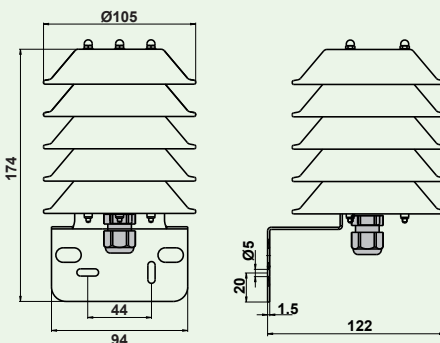

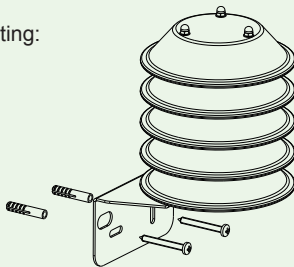
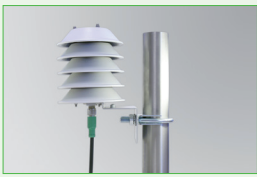
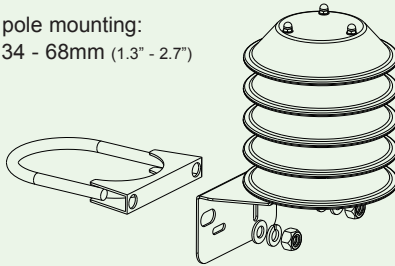
NAME	DESCRIPTION	SUITABLE FOR	ORDER CODE
Power supply adapter 	External power supply suitable for Europe / US / UK / Korea / China input: 100-240V AC / 50-60Hz 0.5A output: 24V / 0.625A	HVAC and industrial transmitters	V03

Replacement Sensors

NAME	DESCRIPTION	SUITABLE FOR	ORDER CODE
Replacement sensors 	Replacement humidity sensor Replacement temperature sensor	EE23, EE31	FE09 FE09-HC01 (with coating) TE38

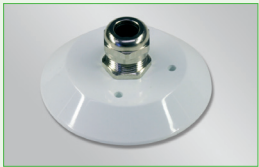
Radiation Protection Shield

For outdoor applications the transmitters shall be equipped with radiation shield. This causes a forced ventilation which largely prevents overheating of the sensing probe in the sun and thus a distortion of the measured values.
All radiation shields are suitable for wall and pole mounting.


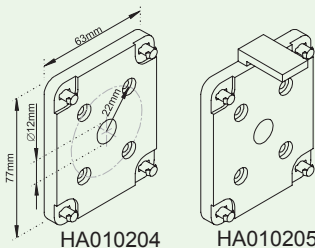

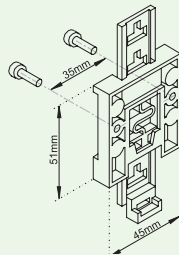

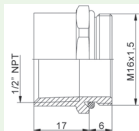

NAME	SUITABLE FOR	DIMENSIONS / MOUNTING	ORDER CODE
Radiation shield for EE21 	EE21-xA2x	Example: HA010506 	HA010501
Radiation shield with fixed clamping ring (M20x1.5) for probes with Ø12mm (0.47") 	EE23/31 with remote sensing probe EE060 EE07, EE071 EE33-J (RH-Sensor)	mounting options: - wall mounting: 	HA010502
Radiation shield with screw-in thread (M16x1.5) cable gland for probes with Ø6mm (0.24") 	EE08 EE33-J (T-Sensor)	- pole mounting: 34 - 68mm (1.3" - 2.7") 	HA010506

Dripping Water Protection


In applications with high humidity and condensation or for outdoor use, sensor probes should be protected against dripping water.

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Dripping water protection cap 	All sensor probes with Ø12mm (0.47")	Screw connection for probe fixation Ø85 mm (3.35")	HA010503

Mounting and Connecting Aids

NAME	SUITABLE FOR	DIMENSIONS / DESCRIPTION	ORDER CODE
Snap-in mounting flange for wall and duct mounting 	EE16-T EE21 EE65, EE66	 HA010204 HA010205	for wall mounting: HA010204 for duct mounting: HA010205
Bracket for top-hat rail mounting ¹⁾  ¹⁾ Note: Only for plastic housing, not for metal housing	EE220, EE23, EE31, EE35, EE36		HA010203
U.S. conduit screw adapter 	General	Adapter M16x1.5 to 1/2"NPT (U.S. conduit fitting) 	HA011101
Pressure tight screw connection 	EE33-MFTJx EE33-MFTKx	For probes with Ø12mm (0.47") and Ø6mm (0.24") Probe assembly up to 20bar (300psi)	HA011102: 1/2"ISO, probe: Ø12mm (0.47") HA011103: 1/2"NPT, probe: Ø12mm (0.47") HA011104: 1/2"ISO, probe: Ø6mm (0.24") HA011105: 1/2"NPT, probe: Ø6mm (0.24")

Reference Probes

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Reference probe 	EE220	EE07 probes with defined measuring values to check the digital/analogue conversion of the EE220 basic unit (with test report) probe 1: 90% RH / 5°C (41°F) probe 2: 10% RH / 45°C (113°F)	HA010403

Interface Convertors and Interface Cables

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
RS232 to RS485 	EE31, EE33 with RS485 interface	<ul style="list-style-type: none"> - Converter from RS232 to RS485 - Supports AutoPro, i.e. automatic adjustment of the Baudrate from 300 bps to 115200 bps - Enables to control 256 data acquisition modules in a RS-485 network - Isolation 3000 Vrms 	HA010603
RS232 to USB 	General	<ul style="list-style-type: none"> - High speed converter from RS232 to USB - Certified: Microsoft WHQL approved 	HA020110
E2 to RS232 for EE07 	EE07	Converter for E2-interface to RS232, incl. software for test and data cable length: 2m (6.6ft)	HA011001
E2 to RS232 for EE03 	EE03	Converter for E2 interface to RS232, incl. software for test and data recording cable length: 2m (6.6ft)	HA011002
E2 to RS232 for EE08 	EE08	Converter for E2-interface to RS232, incl. software für configuration, adjustment or test cable length: 2m (6.6ft)	HA011005
RS232 Interface Cable for Screw Terminals 	EE31, EE33, EE35, EE36	RS232 interface cable for connection to screw terminals on the board cable length: 2m (6.6ft)	HA010301
RS232 Interface Cable with Pin Connector 	EE31, EE33, EE35, EE36, EE371, EE381	RS232 interface cable to connect directly on the board cable length: 2m (6.6ft)	HA010304
RS232 Interface Cable with External Plug 	EE31, EE33, EE35, EE36	RS232 interface cable to plug into the external socket on the housing C06 cable length: 2m (6.6ft)	HA010311

Plugs / Sockets / Connecting Cables

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Flange Coupling, 5 pins 	EE060 type PM EE07 EE071 EE871	M12x1 Flange Coupling for housing assembly L = 50mm (2") 	HA010705
Flange Coupling, 8 pins 	EE08 type PV EE08 type D	M12x1 Flange Coupling for housing assembly L = 200mm (8") 	HA010703
Flange Receptacle, 8 pins 	EE08 type PV EE08 type D EE82	Flange receptacle 8 pins, M12x1, suitable for customer-specific assembly, IP67 (NEMA 4)	HA010704
Connecting Cable EE220/EE244 	EE07 - EE220/EE244 EE871 - EE244	Connecting cable for remote measurement: - EE07 with EE220/EE244 - EE871 with EE244 5 pins, M12x1 plug-socket, shielded (shield connected to pin 5)	HA010801 (2m / 6.6ft) HA010802 (5m / 16.4ft) HA010803 (10m / 32.8ft)
Connecting Cable, 5 pins 	LOGPROBE20 - HUMLOG20 E EE771, EE772, EE776 EE060 PM	Connecting cable for remote measurement: - LOGPROBE20 mit HUMLOG20 E - EE771, EE772, EE776 - EE060 PM 5 pins, M12x1 plug-socket, shielded	HA010816 (2m / 6.6ft) HA010817 (5m / 16.4ft) HA010818 (10m / 32.8ft)
Connecting Cable, 5 pins 	EE060 type PM EE07 EE071 EE82 EE871	Connecting cable 5 pins, M12x1 socket - flying leads, shielded	HA010819 (1.5m / 3.3ft) HA010820 (5m / 16.4ft) HA010821 (10m / 32.8ft)
Connecting Cable, 8 pins 	EE08 type PV EE08 type D	Connecting cable 8 pins, M12x1 socket - flying leads, shielded	HA010322 (1.5m / 4.9ft) HA010323 (3m / 9.8ft) HA010324 (5m / 16.4ft) HA010325 (10m / 32.8ft)
Connecting Cable OMNIPORT / OILPORT 	OMNIPORT 20 OMNIPORT 30 OILPORT	Connecting cable for hand-held 5 pins, M12x1 plug-socket, unshielded	HA010813 (2m / 6.6ft) HA010814 (5m / 16.4ft) HA010815 (10m / 32.8ft)