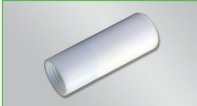
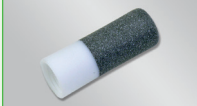
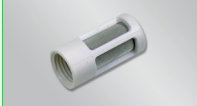


Accessories

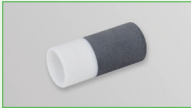
Filter Caps for Humidity and Dewpoint Transmitters with probe Ø12 mm (0.47")

The right choice of appropriate filter cap is essential for best long term performance in the application.

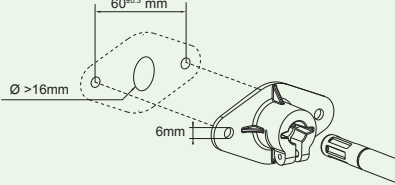
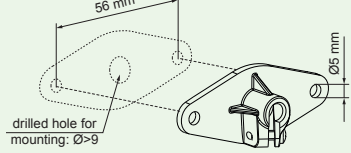
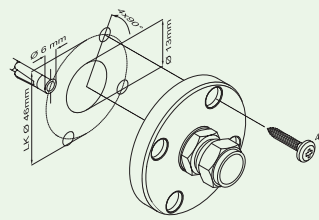
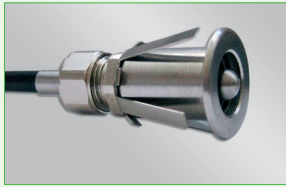
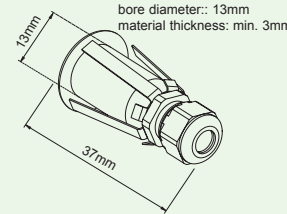
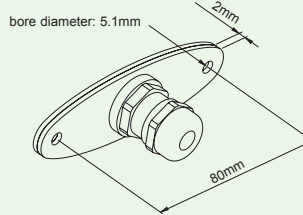
For assistance please contact the E+E representative - <http://www.epluse.com/en/service-support/locations-distributors/>.

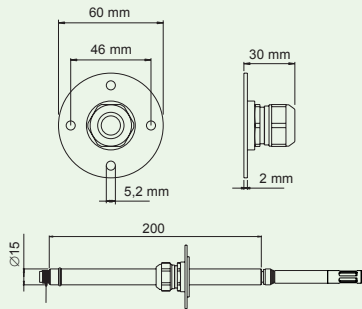
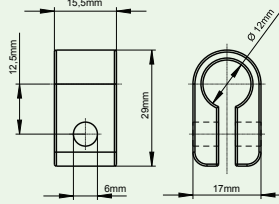
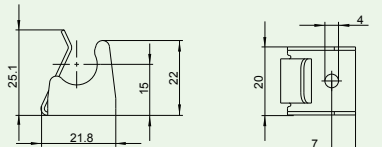
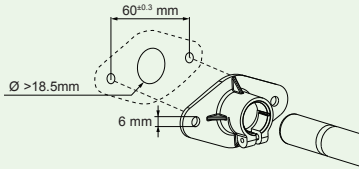
FILTER NAME	CONSTRUCTION	FEATURES	APPLICATIONS	ORDER CODE
MEMBRANE 	Body: polycarbonate Filter: PTFE membrane Pores size: 1µm Length: 34mm (1.34")	Very good protection against fine dust T range: -40...80°C (-40...176°F) Response time $t_{10/90}$: 15s	Building automation Dusty environment	HA010101
STAINLESS 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...356°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...356°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 high RH / condensing environment, low mechanical stress and low pollution level 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 high RH / condensing environment, average mechanical stress and low pollution level T range: -40...180°C (-40...356°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...356°F) Response time $t_{10/90}$: 14s	Pharma 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 outdoor and meteorology, high pollution levels T range: -40...180°C (-40...356°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 high RH / condensing environment, low mechanical stress, low pollution level T range: -40...120°C (-40...248°F) Response time $t_{10/90}$: 15s	Meteorology, outdoor Climate control	HA010113
STAINLESS STEEL 	Material: stainless steel Openings: ø3mm Length: 32mm (1.26")	For moisture in oil measuring devices	Hydraulic, lubrication and isolation oil monitoring	HA010110

Filter Caps for CO₂ probes Ø18.5 mm (0.73")

FILTER NAME	CONSTRUCTION	FEATURES	APPLICATIONS	ORDER CODE
PTFE 	Material: PTFE sintered Pores size: 50µm Length: 41.6 mm (1.64")	Standard filter for CO ₂ probes T range: -40...60°C (-40...140°F)	Greenhouses Agriculture Outdoor CO ₂ monitoring	HA010116
H ₂ O ₂ 	Material: PTFE sintered Pores size: 50µm Length: 41.6 mm (1.64")	Catalytic filter for H ₂ O ₂ environment T range: -40...60°C (-40...140°F)	Pharma Biotech Sterilization with H ₂ O ₂	HA010122

Mounting Flanges

NAME	SUITABLE FOR	DIMENSIONS (in mm)	ORDER CODE
Plastic flange Ø12mm (0.47") 	EE650, EE660, EE160, EE210 EE850 EE671 EE060, EE061		HA010202 (light grey) HA010214 (black)
Plastic flange Ø6mm (0.24") 	EE431 EE150		HA401101
Stainless steel flange Ø12mm (0.47") 	EE23 EE310 EE33		HA010201
Stainless steel flange Ø5mm (0.2") 	EE23 - model H		HA010208
Stainless steel flange Ø8mm (0.3") 	EE75 EE33-MFTJ (temperature probe)		HA010207

NAME	SUITABLE FOR	DIMENSIONS (in mm)	ORDER CODE
Duct mounting kit 	EE07 EE071 EE220		HA010209
Wall mounting clip Ø12 mm (0.47") 	T range: -35...105°C (-31...221°F)		HA010211
Stainless steel wall mounting clip Ø12 mm (0.47") 	EE1900, EE1950 EE310 EE23 EE33	 Material: stainless steel 1.4404	HA010225
Plastic mounting flange Ø18.5 mm (0.73") 	EE871		HA010212

LC Displays

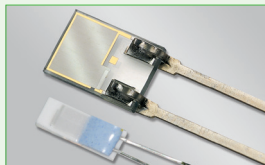
NAME	SUITABLE FOR	ORDER CODE
LC display + cover 	EE220 metal polycarbonate EE23 metal polycarbonate EE23-T5 metal polycarbonate EE33 metal	D07M-EE220 D07P-EE220 D03M-EE23 D03P-EE23 D05M-EE23T5 D05P-EE23T5 D05M-EE33

Power Supply Unit

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Power supply adapter 	All E+E devices with 24V DC supply max: 0,625 A	External power supply 100-240V AC / 50-60Hz 0.5A Suitable for Europe / US / UK /Korea / China	V03

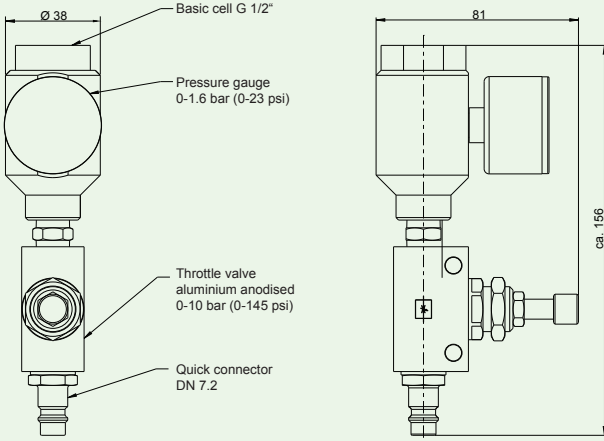
Replacement Sensing Elements

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Replacement Sensing Elements	EE23 EE310	Replacement humidity sensing elements	FE09 FE09-HC01 (with coating)
		Replacement temperature sensing elements	TE38



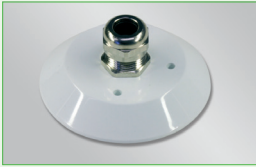
Sampling Cells

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE												
Basic Sampling Cell	EE371 EE375 EE354 EE355	The basic sampling cell is designed for a pressure range from 0...64 bar (0...928 psi). It allows a simple integration of a dew point sensor into a self-constructed sampling system. Dimensions in mm: <table><tr><th></th><th>ISO</th><th>NPT</th></tr><tr><td>1</td><td>G 1/2"</td><td>1/2"</td></tr><tr><td>2</td><td>G 1/4"</td><td>1/4"</td></tr><tr><td>3</td><td>G 1/4"</td><td>1/4"</td></tr></table>		ISO	NPT	1	G 1/2"	1/2"	2	G 1/4"	1/4"	3	G 1/4"	1/4"	ISO: HA050103 NPT: HA050105
	ISO	NPT													
1	G 1/2"	1/2"													
2	G 1/4"	1/4"													
3	G 1/4"	1/4"													
ISO Sampling Cell	EE371 EE375 EE354 EE355	The sampling cell is optimized for compressed air lines with pressure range 0...10 bar (0...145 psi). The flow of air can be adjusted with the bleed screw. The G ½" ISO version features a quick connector suitable for standard DN7.2 air connection, which allows for the sampling cell to be mounted and removed without process interruption. Dimensions for ISO (in mm): <table><tr><td>1</td><td>= G 1/2"</td></tr><tr><td>2</td><td>= Bleed screw</td></tr><tr><td>3</td><td>= Quick connector DN 7.2</td></tr></table>	1	= G 1/2"	2	= Bleed screw	3	= Quick connector DN 7.2	ISO: HA050102						
1	= G 1/2"														
2	= Bleed screw														
3	= Quick connector DN 7.2														
NPT Sampling Cell		Dimensions for NPT (in mm): <table><tr><td>1</td><td>= 1/2"</td></tr><tr><td>2</td><td>= Bleed screw</td></tr><tr><td>3</td><td>= 1/4"</td></tr></table>	1	= 1/2"	2	= Bleed screw	3	= 1/4"	NPT: HA050107						
1	= 1/2"														
2	= Bleed screw														
3	= 1/4"														

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Sampling Cell for Atmospheric Dew Point 	EE371 EE375 EE354 EE355	The sampling cell is optimized for measuring the atmospheric dew point temperature in compressed air lines with pressure range 0...10 bar (0...145 psi). It features a quick connector suitable for standard DN7.2 air connection, which allows for the sampling cell to be mounted and removed without process interruption. The pressure in the sampling cell could be zeroed by the needle valve. Dimensions in mm: 	HA050106

Drip Water Protection

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

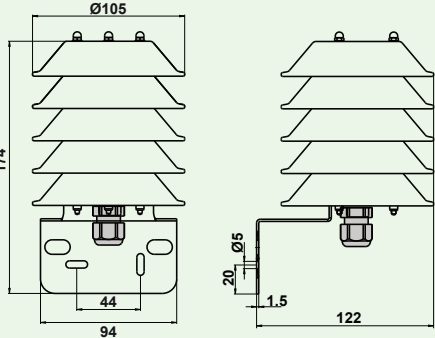
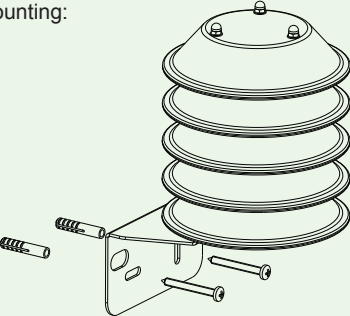
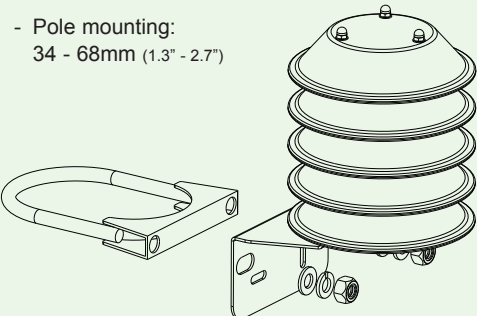
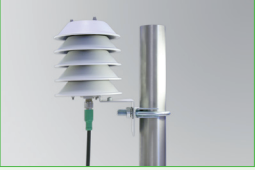
NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Drip water protection 	All sensing probes with Ø12 mm (0.47")	Protection cap Ø85 mm (3.35"), fixing onto the sensing probe by cable gland.	HA010503

Protection cap

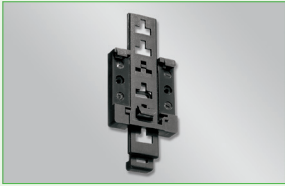
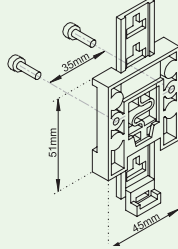
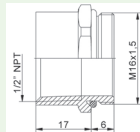
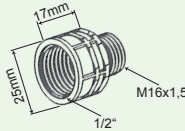
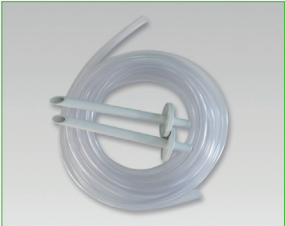
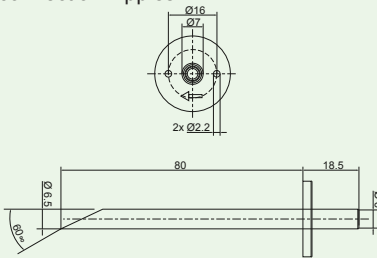
NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Protection cap for Ø12 mm (0.47") probe 	All sensing probes with Ø12 mm (0.47")	Sensing head protection during site cleaning or sterilization. T range: -40...80 °C (-40...176 °F) L: 50.4 mm (1.98") Ø: 12.5 mm (0.49")	HA010783

Radiation Protection Shield

For outdoor applications the measuring devices shall be equipped with a radiation shield which provides protection from rain, snow and ice. This causes also a natural ventilation which largely prevents overheating of the sensing probe in the sun and thus a distortion of the measured values. All E+E radiation shields are suitable for wall and pole mounting.

NAME	SUITABLE FOR	DIMENSIONS / MOUNTING	ORDER CODE
Radiation shield for EE210 	EE210-Outdoor	Example: HA010506 	HA010501
Radiation shield with fixed clamping ring (M20x1.5) for probes with Ø12mm (0.47") 	EE23, EE310, EE210 with remote sensing probe EE060, EE061 EE07, EE071 EE08 type E EE33-J (RH probe)	Mounting options: - Wall mounting:  - Pole mounting: 34 - 68mm (1.3" - 2.7") 	HA010502
Radiation shield with screw-in thread (M16x1.5) and additional cable gland for probes with Ø6mm (0.24") 	EE33-J (T probe) EE08 type D		HA010506
Radiation shield 	EE870 EE871		HA010507

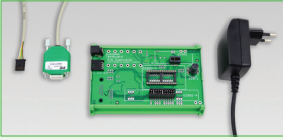
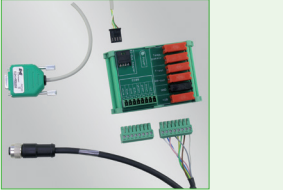
Mounting and Connecting Aids

NAME	SUITABLE FOR	DIMENSIONS / DESCRIPTION	ORDER CODE
Bracket for DIN rail mounting 	EE220 EE23 EE310 EE360 Only for plastic enclosure.		HA010203
Conduit adapter, stainless steel 	Devices with cable gland M16x1.5	Adapter M16x1.5 to 1/2" NPT (US conduit fitting) 	HA011101
Conduit adapter, plastic 	Devices with cable gland M16x1.5	Adapter M16x1.5 to 1/2" NPT (US conduit fitting) 	HA011110
Pressure tight feedthrough 	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")
Pressure connection set 	EE600	2 m PVC hose with two ABS pressure connection nipples 	HA011304

Reference Probes

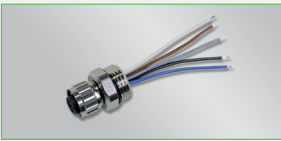
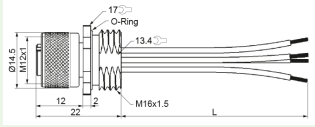
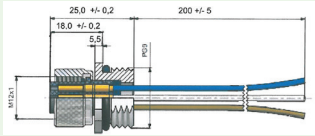
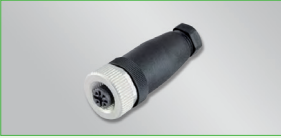
NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Reference probe 	EE220	EE07 probes with fix output values for checking the EE220 basic unit (test report included). probe 1: 90% RH / 5°C (41°F) probe 2: 10% RH / 45°C (113°F)	HA010403

Interface Cables and Convertors

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
RS232 to USB 	E+E devices with RS232 interface	High speed converter from RS232 DB9 (male) to USB Microsoft WHQL approved	HA020110
E2 to RS232 for EE07 	EE07	E2 to RS232 converter, incl. software for test and data Connector A: M12 Connector B: DB9 (female) Cable length: 2m (6.6ft)	HA011001
E2 to RS232 for EE03 	EE03	E2 to RS232, incl. software for test and data recording Connector A: 4 pole wire to board connector Connector B: DB9 (female) Cable length: 2m (6.6ft)	HA011002
E2 Test and Configuration Adapter 	EE893, EE892, EE891 EE871	Connecting CO ₂ modules and probes with E2 interface to a PC for test and configuration, inkl. software and supply adapter. Connector A: Test board with power supply Connector B: DB9 (female)	HA011010
E2 to RS232 for EE08 	EE08	E2 to RS232, incl. software für configuration, adjustment or test Connector A: screw terminal or M12 via connection cable Connector B: DB9 (female) Cable length: 2m (6.6ft)	HA011005
RS232 Interface Cable with free ends 	EE33	RS232 interface cable for connection to screw terminals Connector A: DB9 (female) Connector B: flying leads Cable length: 2m (6.6ft)	HA010301
RS232 Interface Cable 	EE33 EE371 EE381	RS232 interface cable Connector A: DB9 (female) Connector B: 6 pol wire to board connector Cable length: 2m (6.6ft)	HA010304
RS232 Interface 	EE33	RS232 interface cable with connector option C06 Connector A: DB9 (female) Connector B: M12 Cable length: 2m (6.6ft)	HA010311

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Modbus Configuration Adapter 	EE071 EE871	For test and configuration with a PC, incl. supply adapter.	HA011012
	EE354 EE355 EE364	Connector A: USB Connector B: M12	HA011013
USB Configuration Adapter 	EE10 digital EE160 digital EE210, EE211 EE4x1 digital EE650, EE660 EE800, EE820, EE850	For test and configuration with a PC, incl. supply adapter. Connector A: USB Connector B: 10 pole wire to board connector	HA011066
USB Adapter Cable 	EE1900, EE1950	For test and configuration with a PC. Connector A: USB Connector B: 10 pole wire to board connector	HA011017

Connectors

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Flange Coupling, 5 pole 	EE060 type PM EE07 EE071 EE871	M12x1 flange coupling L = 50mm (2") 	HA010705
Flange Coupling, 8 pole 	EE060 type PV EE08 type D	M12x1 flange coupling 	HA010703
Connector, 4 pole socket 	EE07, EE071 EE060 type PM EE820 EE871 HUMLOG20 E	M12x1 cable connector, 4 pole, IP67 (NEMA 4), for self assembly	HA010707
Connector, 5 pole socket 	EE354 EE355 EE33 - C03/C08 EE23 - C03 EE310 - E4, E6, E12, AM3 EE360 - E4, E6, E12, AM3 EE75 - C12/C13 EE671 type S EE77x - type Q	M12x1 cable connector, 5 pole, IP67 (NEMA 4), for self assembly	HA010708
Connector, 8 pole socket 	EE08 type PV EE08 type D EE820	M12x1 cable connector, 8 pole, IP67 (NEMA 4), for self assembly	HA010704

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Connector, 5 pole plug 	EE310 / EE360: E5, E6, E12	M12x1 cable connector, 5 pole, IP67 (NEMA 4), for self assembly	HA010709

Cables

NAME	SUITABLE FOR	DESCRIPTION	ORDER CODE
Connecting Cable EE220/EE244 	EE07 - EE220/EE244 EE871 - EE244	Connecting cable for: - EE07 with EE220/EE244 - EE871 with EE244 5 pole, M12x1 plug-socket, shielded (shield connected to pin 5), PUR	HA010801 (2m / 6.6ft) HA010802 (5m / 16.4ft) HA010803 (10m / 32.8ft)
Connecting Cable, 5 pole 	LOGPROBE20- HUMLOG20 E EE060 PM EE671 type S EE354, EE355 EE771 EE772 EE776	Connecting cable for: - LOGPROBE20 with HUMLOG20 E - EE771, EE772, EE776 - EE060 PM 5 pole, M12x1 plug-socket, shielded, PUR	HA010816 (2m / 6.6ft) HA010817 (5m / 16.4ft) HA010818 (10m / 32.8ft)
Connecting Cable, 5 pole 	EE060 type PM EE07, EE071 EE671 type S EE354, EE355 EE820, EE871	5 pole, M12x1 socket - free ends, shielded, PUR	HA010819 (1.5m / 4.9ft) HA010820 (5m / 16.4ft) HA010821 (10m / 32.8ft)
Connecting Cable, 8 pole 	EE06 type PV EE08 type D EE364	8 pole, M12x1 socket - free ends, shielded, PUR	HA010322 (1.5m / 4.9ft) HA010323 (3m / 9.8ft) HA010324 (5m / 16.4ft) HA010325 (10m / 32.8ft)
Connecting Cable OMNIPORT / OILPORT 	OMNIPORT 30 OILPORT 30	M12 connecting cable 5 pole, M12x1 plug-socket, unshielded, PUR	HA010813 (2m / 6.6ft) HA010814 (5m / 16.4ft) HA010815 (10m / 32.8ft)
Protection Cap 	M12 female connector		HA010781
Protection Cap 	M12 male connector		HA010782