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Filter Caps

Humidity and Dew Point Sensors with Probe Diameter 12 mm (0.47")

The selection of the correct filter for the respective application is essential for the long-term flawless operation of the sensor. If you need assistance, please contact your local E+E representative: www.epluse.com.

Membrane, Polycarbonate Body



Features

- Very good protection against fine dust
- Temperature range:
-40...+80 °C (-40...+176 °F)
- Response time $t_{10/90}$: 15 s

Construction

- Body: PC (Polycarbonate)
- Filter: PTFE (Polytetrafluoroethylene) -Membran
- Pore size: 1 µm
- Length: 34 mm (1.34")

Applications

- Building automation
- Dusty environment

Order code

HA010101

(light grey)

HA010118

(black)

Metal Grid, Polycarbonate Body



Features

- For high RH/condensing environment, low mechanical stress and low pollution level
- Temperature range:
-40...+120 °C (-40...+248 °F)
- Response time $t_{10/90}$: 15 s

Construction

- Body: PC (Polycarbonate)
- Filter: Stainless steel wire mesh
- Pore size: 30 µm
- Length: 34 mm (1.34")

Applications

- Climate control
- Dryers and humidifiers
- HVAC

Order code

HA010106

(light grey)

HA010119

(black)

Stainless Steel Sintered



Features

- For high mechanical stress and strong pollution
- Temperature range:
-40...+180 °C (-40...+356 °F)
- Response time $t_{10/90}$: 30 s

Construction

- Material: Stainless steel sintered
- Pore size: 10 µm
- Length: 33 mm (1.30")

Applications

- Industrial process control
- Agriculture
- Life stock barns

Order code

HA010103

(plastic probes)

HA010117

(metal probes)

PTFE (Polytetrafluoroethylene)



Construction

- Material: PTFE sintered
- Pore size: 50 µm
- Length: 33 mm (1.30")

Order code

HA010105

Features

- For very dirty, oily environment
- Temperature range:
-40...+180 °C (-40...+356 °F)
- Response time $t_{10/90}$: 14 s

Applications

- Industrial process control
- Chemical industry
- Very polluted environment

Metal Grid for EE08 only, Polycarbonate Body



Construction

- Body: PC (Polycarbonate)
- Filter: Stainless steel wire mesh
- Pore size: 30 µm
- Length: 25 mm (1")

Order code

HA010113

Features

- For high RH/condensing environment
- Low mechanical stress
- Low pollution level
- Temperature range:
-40...+120 °C (-40...+248 °F)
- Response time $t_{10/90}$: 15 s

Applications

- Meteorology, outdoor
- Climate control

Stainless Steel Grid, Stainless Steel Body, up to 180 °C (356 °F)



Construction

- Body: Stainless steel
- Filter: Stainless steel wire mesh
- Pore size: 30 µm
- Length: 39 mm (1.54")

Order code

HA010109

Features

- For high RH/condensing environment
- Low mechanical stress
- Low pollution level
- Temperature range:
-40...+180 °C (-40...+356 °F)
- Response time $t_{10/90}$: 15 s

Applications

- Industrial process control
- Clean rooms

PTFE (Polytetrafluoroethylene), Stainless Steel Body



Construction

- Body: Stainless steel
- Filter: PTFE membrane, replaceable
- Pore size: 2 µm
- Length: 39 mm (1.54")

Order code

HA010114
(complete filter)

HA010114ME
(PTFE membrane)

Features

- For high RH / condensing environment
- High pollution level
- Temperature range: -40...+180 °C (-40...+356 °F)
- Response time $t_{10/90}$: 14 s
- Water ingress pressure >0.5 bar (>7.25 psi)

Applications

- For EE260, HTS801-T28 in:
 - Meteorology, outdoor
 - Climate control
 - Highly humid environments

Catalytic for H₂O₂ (Hydrogen Peroxide) Sterilisation



Construction

- Material: PTFE (Polytetrafluoroethylene) sintered
- Pore size: 50 µm
- Length: 33 mm (1.30")

Order code

HA010115

Features

- Catalytic filter for H₂O₂ environment
- Temperature range: -40...+180 °C (-40...+356 °F)
- Response time $t_{10/90}$: 14 s

Applications

- Pharma
- Biotech
- Sterilization with H₂O₂

Moisture in Oil Sensors with Probe Diameter 12 mm (0.47")

Stainless Steel, for Flow <1 m/s (3.3 ft/s)



Construction

- Material: Stainless steel
- Perforation: Ø3 mm (0.12")
- Length: 32 mm (1.26")

Order code

HA010110

Features

- For moisture in oil measuring devices
- For flow <1 m/s (3.3 ft/s)

Applications

- Hydraulic, lubrication and isolation oil monitoring

Stainless steel, for Flow >1 m/s (3.3 ft/s)



Construction

- Material: Stainless steel
- Perforation: Ø1.5 mm (0.06")
- Length: 32 mm (1.26")

Order code

HA010111

Features

- For moisture in oil measuring devices
- For flow >1 m/s (3.3 ft/s)

Applications

- Hydraulic, lubrication and isolation oil monitoring

EE872 CO₂ Probe with Ø25 mm (0.98")

PTFE (Polytetrafluoroethylene)



Features

- Standard filter for EE872 CO₂ probe
- Temperature range: -40...+60 °C (-40...+140 °F)

Construction

- Material: PTFE sintered
- Pore size: 50 µm
- Length: 62 mm (2.44")

Applications

- Greenhouses
- Agriculture
- Outdoor CO₂ monitoring

Order code

HA010123

Catalytic for H₂O₂ (Hydrogen Peroxide) Sterilisation



Features

- Catalytic filter for EE872 CO₂ probe in H₂O₂ environment
- Temperature range: -40...+60 °C (-40...+140 °F)

Construction

- Material: PTFE (Polytetrafluoroethylene) sintered
- Pore size: 50 µm
- Length: 62 mm (2.44")

Applications

- Pharma
- Biotech
- Sterilization with H₂O₂

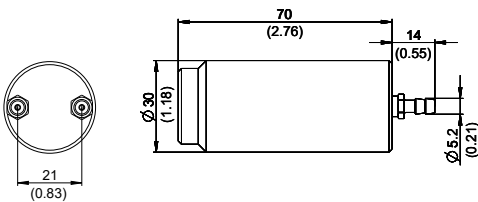
Order code

HA010124

Calibration Adapter/Protection Cap



Dimensions in mm (inch)



Construction

- Material: PET (Polyethyleneterephthalate)

Description

- Inner diameter of the attachable hose 5 mm (0.2")

Applications

- Calibration
- Sensor protection

Features

- Temperature range: -40...+60 °C (-40...+140 °F)

Order code

HA010785

Mounting Flanges

Plastic Flange, Light Grey, Ø12 mm (0.47")



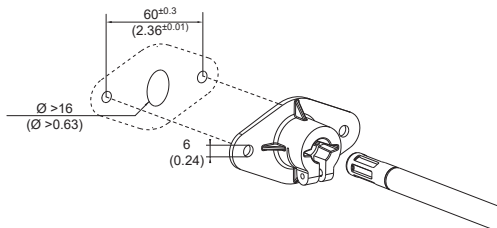
Suitable for

- All probes with diameter 12 mm (0.47")

Order code

HA010202

Dimensions in mm (inch)



Features

- Temperature range: -40...+80 °C (-40...+176 °F)
- Material: PA6-GF30 (Polyamide - glass fiber)

Plastic Flange, Black, Ø12 mm (0.47")



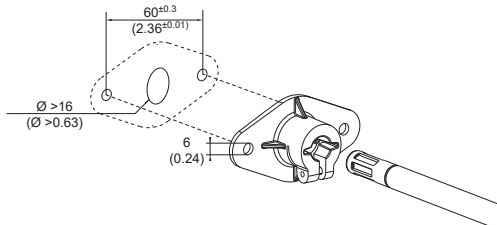
Suitable for

- All probes with diameter 12 mm (0.47")

Order code

HA010214

Dimensions in mm (inch)



Features

- Temperature range: -40...+80 °C (-40...+176 °F)
- Material: PA6-GF30 (Polyamide - glass fiber)

Plastic Flange, Ø6 mm (0.24")



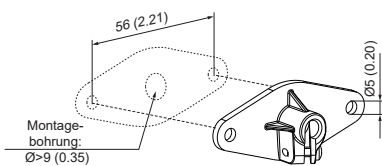
Suitable for

- All probes with diameter 6 mm (0.24")

Order code

HA401101

Dimensions in mm (inch)



Features

- Temperature range: -40...+80 °C (-40...+176 °F)
- Material: PC-GF10 (Polycarbonate - glass fiber)

Stainless Steel Flange Ø12 mm (0.47")



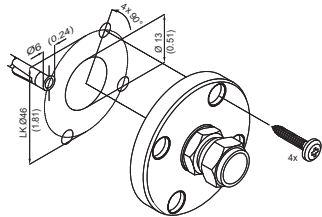
Suitable for

- All probes with diameter 12 mm (0.47")

Order code

HA010201

Dimensions in mm (inch)



Features

- Material: Stainless steel 1.4404

Stainless Steel Flange Ø25 mm (0.98")



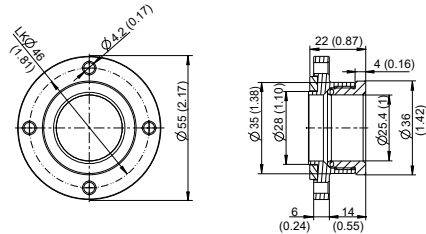
Suitable for

- EE872

Order code

HA010226

Dimensions in mm (inch)



Features

- Material: Stainless steel 1.4404

Stainless Steel Flange Ø6 mm (0.24") / Ø8 mm (0.32")



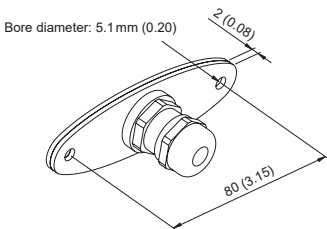
Suitable for

- All probes with diameter 6 mm (0.24")/8 mm (0.32")

Order code

HA010207

Dimensions in mm (inch)



Features

- Material: Stainless steel 1.4404

Duct Mounting Kit



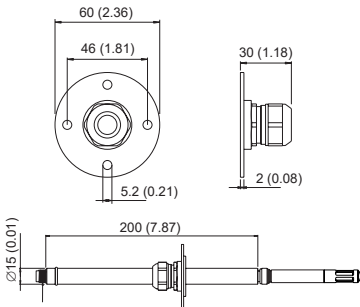
Suitable for

- EE07

Order code

HA010209

Dimensions in mm (inch)



Wall Mounting Clip Ø12 mm (0.47")



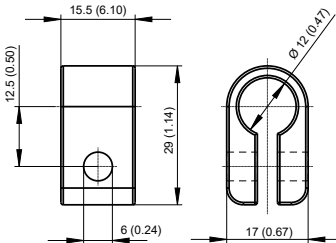
Suitable for

- All probes with diameter 12 mm (0.47")

Order code

HA010211

Dimensions in mm (inch)



Features

- Temperature range:
-40...+60 °C (-40...+140 °F)
- Material: LDPE (Polyethylene)

Wall Mounting Clip Ø25 mm (0.98")



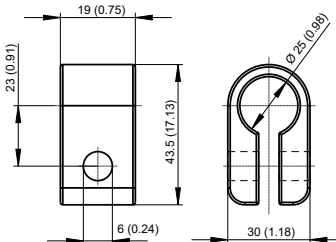
Suitable for

- EE260
- EE872

Order code

HA010227

Dimensions in mm (inch)



Features

- Temperature range: -40...+60 °C (-40...+140 °F)
- Material: LDPE (Polyethylene)

Stainless Steel Wall Mounting Clip Ø12 mm



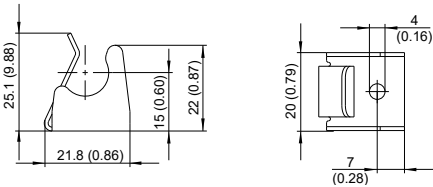
Suitable for

- All probes with diameter 12 mm (0.47")

Order code

HA010225

Dimensions in mm (inch)



Features

- Material: Stainless steel 1.4404

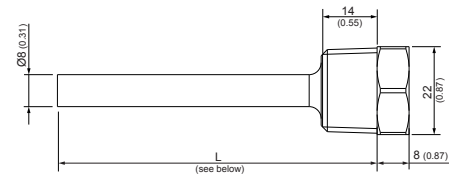
Immersion Well



Suitable for

- EE074
- EE431
- EE461
- EE462
- EE471
- HTS801-T17 (only HA400202, HA400212)

Dimensions in mm (inch)



Length (L)	Material	Order code	
		R½" ISO	½" NPT
50 mm (1.97")	Brass	HA400101	HA400111
	Stainless steel	HA400201	HA400211
100 mm (3.94")	Brass	HA400104	HA400114
	Stainless steel	HA400204	HA400214
135 mm (1.97")	Brass	HA400102	HA400112
	Stainless steel	HA400202	HA400212
285 mm (11.22")	Brass	HA400103	HA400113
	Stainless steel	HA400203	HA400213

LC Displays

LC Display and Cover for Retrofitting / Spare Part



Suitable for	Material	Order code
EE23	AlSi9Cu3 (Aluminium die-cast)	D03M-EE23
	PC (Polycarbonate)	D03P-EE23
EE23-T5	AlSi9Cu3	D05M-EE23T5
	PC	D05P-EE23T5
EE220	AlSi9Cu3	D07M-EE220
	PC	D07P-EE220
EE371	AlSi9Cu3	D08M-EE371
EE381	AlSi9Cu3	D08M-EE381
Sigma 05	PC	D09P

Power Supply Unit

Power Supply Adapter



Suitable for

- All E+E devices with 24 V DC supply
max: 0.625 A
- Europe / US / UK / Korea / China

Order code

V03

Description

- External power supply
- 100-240 V AC / 50-60 Hz 0.5 A

Sampling Cells

Basic Sampling Cell



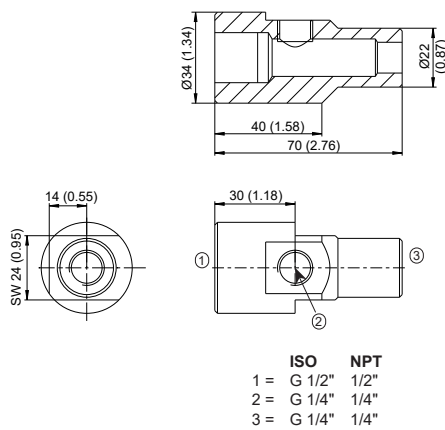
Suitable for

- EE354
- EE355
- EE371

Order code

HA050103
(ISO)
HA050105
(NPT)

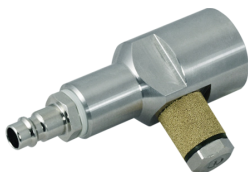
Dimensions in mm (inch)



Description

- The basic sampling cell is designed for a pressure range 0...64 bar (0...928 psi). It allows a simple integration of a dew point sensor into a self constructed sampling system.

ISO Sampling Cell



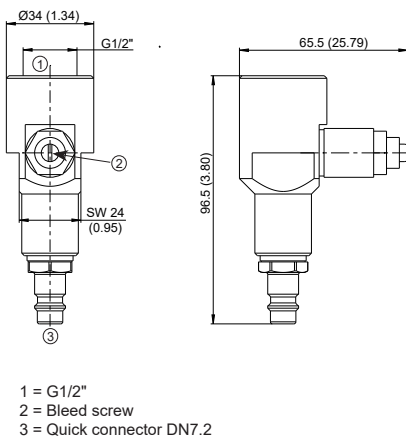
Suitable for

- EE354
- EE355
- EE371

Order code

HA050102

Dimensions in mm (inch)



Description

- 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 G1/2" 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.

NPT Sampling Cell



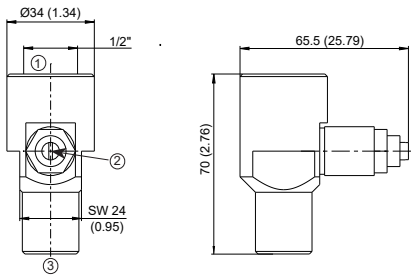
Suitable for

- EE354
- EE355
- EE371

Order code

HA050107

Dimensions in mm (inch)



- 1 = G1/2"
2 = Bleed screw
3 = Quick connector DN7.2

Description

- The sampling cell is optimized for compressed air pipes with pressure range 0...10 bar (0...145 psi). The flow of air can be adjusted with the bleed screw.

Sampling Cell for Atmospheric Dew Point



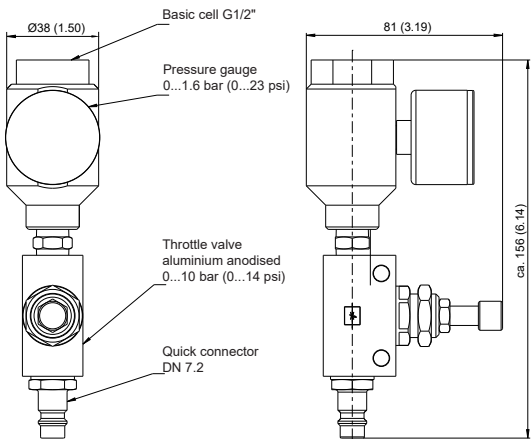
Suitable for

- EE354
- EE355
- EE371

Order code

HA050106

Dimensions in mm (inch)



Description

- 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.

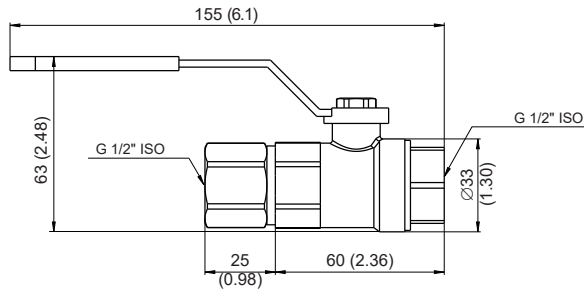
Ball Valve G 1/2" ISO



Suitable for
▪ MOP301-T10

Order code
HA050101

Dimensions in mm (inch)



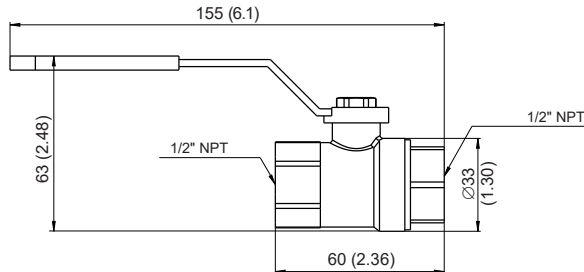
Ball Valve 1/2" NPT



Suitable for
▪ MOP301-T10

Order code
HA050104

Dimensions in mm (inch)



Drip Water Protection

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

Drip Water Protection



Suitable for

- All probes with diameter 12 mm (0.47")

Order code

HA010503

Description

- Protection cap diameter 85 mm (3.35"), fixing onto the sensing probe by cable gland.

Protection Caps

Protection Cap for 12 mm (0.47") Probes



Suitable for

- All probes with diameter 12 mm (0.47")

Order code

HA010783

Description

- Sensing head protection during site cleaning and sterilization
- Temperature range: -40...+80 °C (-40...+176 °F)
- Length: 50.4 mm (1.98")
- Diameter: 12.5 mm (0.49")

Protection Cap



Suitable for

- M12 socket

Order code

HA010781

Protection Cap



Suitable for

- M12 plug

Order code

HA010782

Radiation Shields

For outdoor applications the measuring probes 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 mount.

Radiation Shields for Probes with Diameter 12 mm (0.47")

With supporting plate



Suitable for

- EE210-T13
- EE212-T13

Order code

HA010501

With fixed clamping ring (M20x1.5)



Suitable for probes with Ø12 mm (0.47")

- EE07
- EE08-E8
- EE072
- HTP201

Suitable for remote sensing probes

- EE23
- EE210
- EE310
- HTS801-T17 (RH probe)

Order code

HA010502

With screw-in thread (M16x1.5) and additional cable gland for probes with Ø6 mm (0.24")



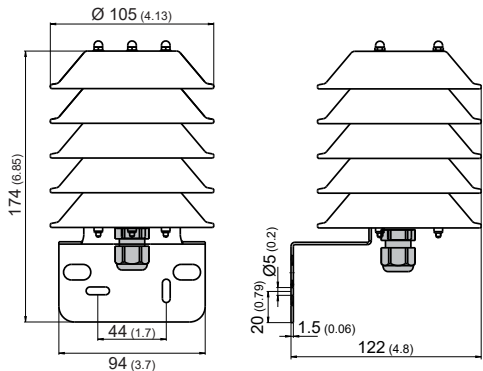
Suitable for

- EE08-E11
- HTS801-T17 (T probe)

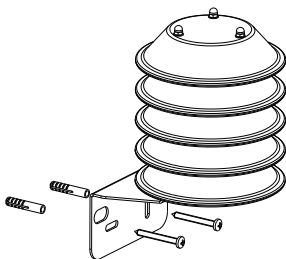
Order code

HA010506

Dimensions in mm (inch)

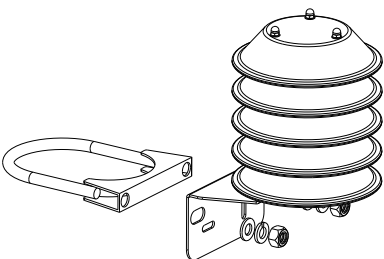


Wall mount



Pole mount

34 - 68 mm (1.3 - 2.7")



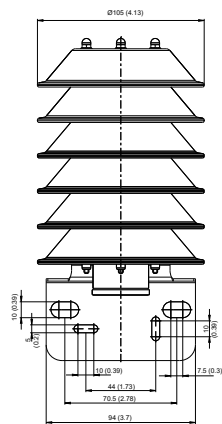
Radiation Shield for EE872

Suitable for
▪ EE872

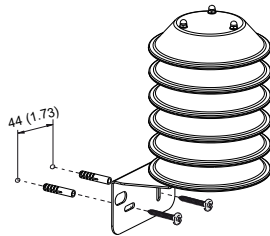
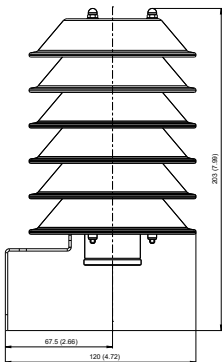
Order code
HA010510



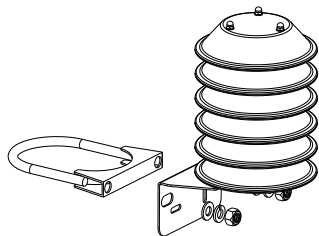
Dimensions in mm (inch)



Wall mount



Pole mount
34 - 68 mm (1.3 - 2.7")



Radiation Shield with Artificial Ventilation for EE260

Suitable for

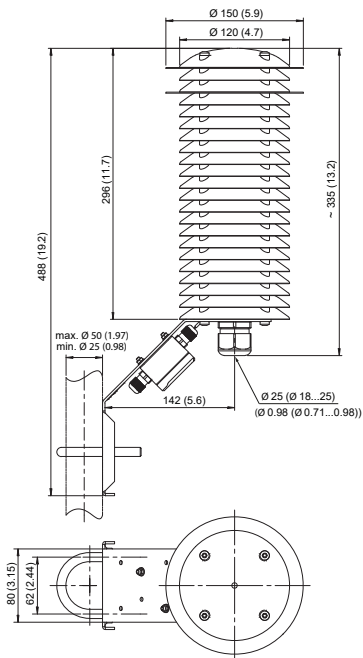
- EE260

Order code

HA010511

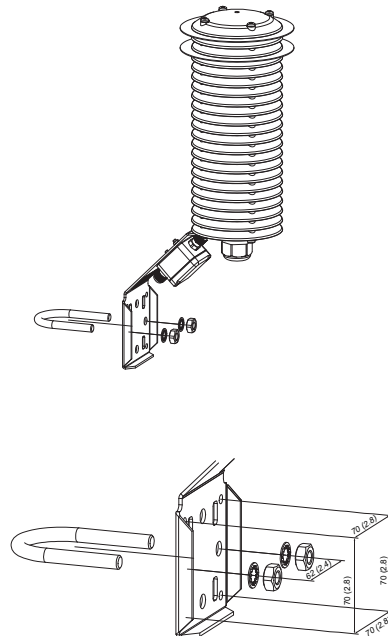


Dimensions in mm (inch)



Pole mount

34 - 68 mm (1.3 - 2.7")



Power Supply

External power supply for ventilator is required.

- Supply voltage: 9.5...13.2 V DC
- Power consumption: 1.4 W (max. 1.8 W)

Radiation Shield with Artificial Ventilation for EE33-M



Suitable for

- HTS801-T28

Order code

HA010508

Power Supply

External power supply for ventilator is required.

- Supply voltage: 9.5...13.2 V DC
- Power consumption: 1.4 W (max. 1.8 W)

Mounting and Connection Elements

Bracket for DIN Rail Mounting



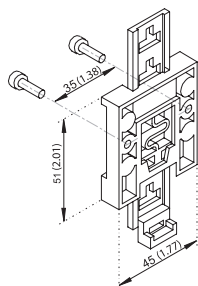
Suitable for (polycarbonate enclosure only)

- EE23
- EE220
- EE310
- EE360
- HTS801

Order code

HA010203

Dimensions in mm (inch)



Hose Clamp Bundle, Metal 330 mm (13")



Suitable for

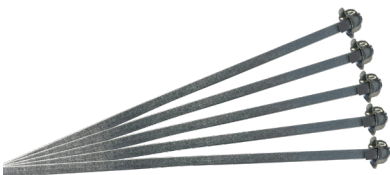
- EE461
- EE462
- EE471

Bestellcode

HA402102

Dimension in mm (inch)

- Length: 330 (13)



Description

- Material: DX 52 D+Z 275 MA (Sendzimir galvanised)
- Material caps, inner part and screws:
ST 12 blue galvanised (galvanised steel)
- 1 packaging unit: 5 pieces

Conduit Adapter, Stainless Steel



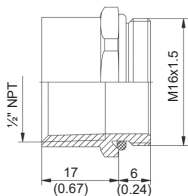
Suitable for

- Devices with cable gland M16x1.5

Order code

HA011101

Dimension in mm (inch)



Description

- Adapter M16x1.5 auf 1/2" NPT
(US conduit fitting)

Conduit Adapter, Plastic



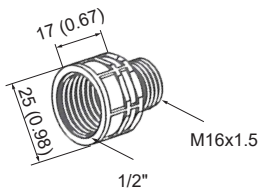
Suitable for

- Devices with cable gland M16x1.5

Order code

HA011110

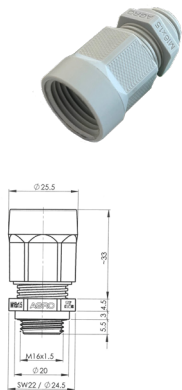
Dimensions in mm (inch)



Description

- Adapter M16x1.5 to 1/2" NPT
(US conduit fitting)

Sealing Plug Conduit Adapter M16x1,5, Plastic



Suitable for

- Devices with cable gland M16x1.5

Order code

HA011113

Description

- With Anschlusskabelabdichtung
- RAL7035 UL
- Material: PA6/CR

Mounting Set for EE680



Suitable for

- EE680

Order code

HA011601

Description

- Sheet metal wall mounting set for EE680 consisting of:
 - Counter plate
 - Sealing gasket
 - Two screws M5x16

Sealing Plug M12, Stainless Steel



Suitable for

- EE680

Order code

HA011602

Description

- Stainless steel M12 sealing plug to protect the electrical connection in case of site cleaning where it is necessary to remove EE680.

Pressure Tight Feedthrough



Suitable for

- HTS801-M1T17
- HTS801-M4T7

Description

- For probes with diameter 12 mm (0.47"), probe assembly up to 20 bar (300 psi)
- For probes with diameter 6 mm (0.24"), probe assembly up to 20 bar (300 psi)

Order code

HA011102
(1/2" ISO)
HA011103
(1/2" NPT)

HA011104
(1/2" ISO)
HA011105
(1/2" NPT)

Pressure Connection Set



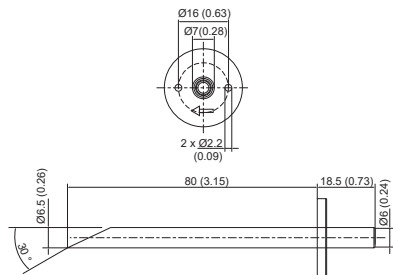
Suitable for

- EE600
- EE610

Order code

HA011304

Dimensions in mm (inch)



Description

- 2 m (78.7") PVC hose with two ABS pressure connection nipples

Reference Probes

Reference Probe



Suitable for

- EE220

Order code

HA010403

Description

- EE07 probes with fix output values for checking the EE220 (test report included):
 - Probe 1: 90 %RH/5 °C (41 °F)
 - Probe 2: 10 %RH/45 °C (113 °F)

Reference Probe Modbus RTU



Suitable for

- Sigma 05

Order code

HA010406

Description

- Probe with fix output values for checking the Sigma 05
- Fix values freely configurable via PCS10 (available at www.epluse.com/pcs10) and configuration adapter HA011018

Interface Cables

RS232 Interface Cable



Suitable for

- EE371
- EE381

Order code

HA010304

Description

- RS232 interface cable:
 - PC side: DB9 socket for RS232 COM port
 - Sensor side: 6 poles wire to board connector
- Cable length: 2 m (6.6 ft)

RS232 to E2



Suitable for

- EE07

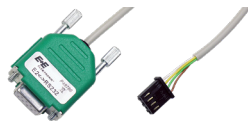
Order code

HA011001

Description

- RS232 to E2 converter:
 - PC side: DB9 socket for RS232 COM port
 - EE07 side: M12 socket, 4 poles
- Cable length: 2 m (6.6 ft)

RS232 to E2



Suitable for

- EE03

Order code

HA011002

Description

- RS232 to E2 converter:
 - PC side: DB9 socket for RS232 COM port
 - EE03 side: 4 poles wire to board connector
- Cable length: 2 m (6.6 ft)

RS232 to E2



Suitable for

- EE08

Order code

HA011005

Description

- RS232 to E2 interface adapter for EE08 adjustment and test
- Connections:
 - PC side: DB9 socket for RS232 COM port
 - EE08 side:
 - For EE08-E8 (cable version): screw terminals
 - For EE08-E11 (connector version): cable
 - 2 m (6.6 ft) with M12 socket
- External power supply is required (power adapter not in the scope of supply)
See EE08 datasheet at www.epluse.com/ee08 for the correct power supply voltage according to the EE08 model.

USB to RS232



Suitable for

- E+E devices with RS232 interface

Order code

HA020110

Description

- High speed converter from USB to RS232 DB9 (plug)
- Microsoft WHQL approved

Converters and Configuration Adapters

Modbus Configuration Adapter



Suitable for

- EE354
- EE355
- EE364
- EE072
- EE074
- EE260 (with configuration cable HA011020)
- EE671-T15
- EE680
- EE872
- HTP501
- MOP301
- HA010406

Order code

HA011013

HA011018

Description

- For test and configuration including power supply adapter:
 - PC side: USB stick
 - Sensor side: M12 socket, 4 poles

USB Configuration Adapter



Suitable for

- EE210
- EE211
- EE212
- EE650
- EE660
- EE820
- EE850
- EE160 digital
- EE4x1 digital
- EE600
- EE610
- CDS201 digital
- HTS201 digital
- TES201 digital

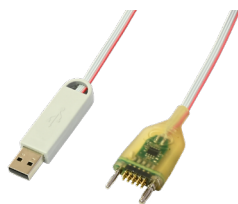
Order code

HA011066

Description

- For test and configuration including power supply adapter:
 - PC side: USB stick
 - Sensor side: 10 poles wire to board connector

USB Configuration Adapter



Suitable for

- EE431 with display
- EE451 with display

Order code

HA011023

Description

- For test and configuration:
 - PC side: USB stick
 - Sensor side: 10 poles wire to board connector

EE-PCA Product Configuration Adapter



Suitable for

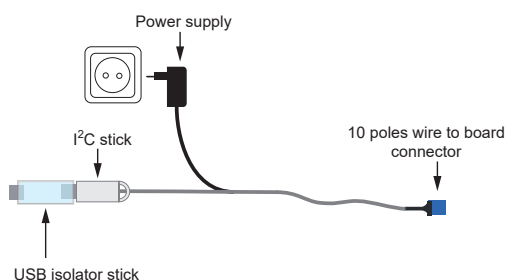
- See EE-PCA datasheet

Order code

EE-PCA

https://www.epluse.com/fileadmin/data/product/eezca/datasheet_EE-PCA.pdf

USB Configuration Adapter for EE160-MxTxAx (Analogue)



Suitable for

- EE160 analogue (please refer to user manual to discover the right version of EE160 which can be configured by using this USB configuration adapter)

Order code

HA011069

Description

- For test and configuration including power supply adapter:
 - PC side: I²C stick with USB isolator stick
 - Sensor side: 10 poles wire to board connector

Configuration Cable for EE260

Suitable for

- EE260

Order code

HA011020

Description

- For test and configuration of EE260 in combination with Modbus configuration adapter HA011018
 - HA011018 side: M12 plug 4 poles
 - EE260 side: M12 socket 8 poles

CAN Configuration Adapter for EE072 (CAN Version)

Suitable for	Order code
▪ EE072 (CAN version)	HA011021

- Description**
- For test and configuration including power supply adapter:
 - PC side: USB stick
 - Sensor side: M12 socket 5 poles

Connection Cable for EE072 (CAN Version)

Suitable for	Order code
▪ EE072 (CAN version)	HA010850

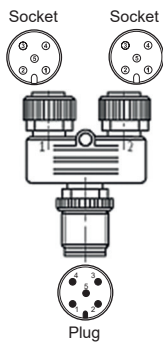
- Description**
- M12 socket 5 poles (with embedded 120 Ω termination resistor, yellow connector): EE072 side
 - M12 plug 5 poles (black connector): other devices
 - Length 1.8 m (5.9 ft), colour cable violet

Y-style splitter M12 - M12



Suitable for	Order code
▪ All sensors and cables with M12, 4/5 poles	HA030204

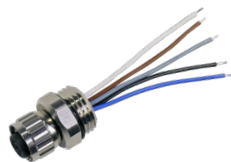
Connectors



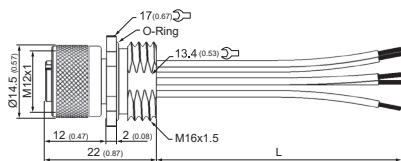
- Description**
- M12 splitter, 1 plug ↔ 2 sockets for M12, 5 poles

Connectors

Flange Coupling Socket, 5 Poles



Dimensions in mm (inch)



- L = 50 mm (2") ±3 mm (0.12")

Suitable for

- All probes with M12 plug 4/5 poles

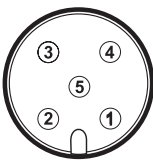
Order code

HA010705

Description

- M12x1 flange coupling with flying leads

Connection diagram



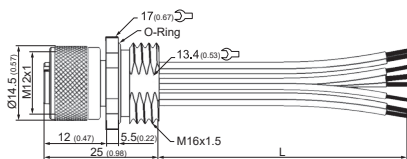
M12 socket
front view

Pin	Colour
1	brown
2	white
3	blue
4	black
5	grey

Flange Coupling Socket, 8 Poles



Dimensions in mm (inch)



- L = 200 mm (2") ±5 mm

Suitable for

- All probes with M12 plug 8 poles

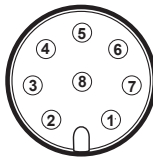
Order code

HA010703

Description

- M12x1 flange coupling with flying leads.

Connection diagram



M12 socket
front view

Pin	Colour
1	white
2	brown
3	green
4	yellow
5	grey
6	pink
7	blue
8	red

Connector, 4 Poles Socket



Suitable for

- All sensors with M12 plug 4 poles

Order code

HA010707

Description

- M12x1 cable connector, 4 poles, IP67 (NEMA 4), for self assembly.

Connector, 5 Poles Socket



Suitable for

- All sensors with M12 plug 5 poles

Order code

HA010708

Description

- M12x1 cable connector, 5 poles, IP67 (NEMA 4), for self assembly

Connector, 8 Poles Socket

Suitable for

- All sensors with M12 plug 8 poles

Order code

HA010704

Description

- M12x1 cable connector, 8 poles, IP67 (NEMA 4), for self assembly

Connector, 5 Poles Plug



Suitable for

- All sensors with M12 socket 5 poles

Order code

HA010706

Description

- M12x1 cable connector, 5 poles, IP67 (NEMA 4), for self assembly.

Connection Cables

Connection Cable Shielded Plug/Socket M12x1, 5 Poles



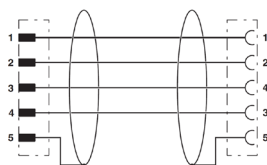
Suitable for

- EE07 with EE220

Order code

- **HA010801**
(2 m/6.6 ft)
- **HA010802**
(5 m/16.4 ft)
- **HA010803**
(10 m/16.4 ft)

Connection diagram



Description

- 5 poles, M12x1 plug ↔ socket, shielded (shield connected to pin 5), PUR (Polyurethane)

Feature

- Temperature range: -40...+80 °C (-40...+176 °F)

Connection Cable Shielded Plug/Socket M12x1, 5 Poles



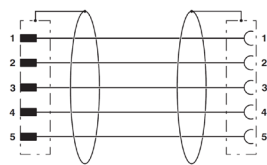
Suitable for

- EE771
- EE772
- EE776

Order code

- **HA010816**
(2 m/6.6 ft)
- **HA010817**
(5 m/16.4 ft)
- **HA010818**
(10 m/32.8 ft)

Connection diagram



Description

- 5 poles, M12x1 plug ↔ socket, shielded, PUR (Polyurethane)

Feature

- Temperature range: -40...+80 °C (-40...+176 °F)

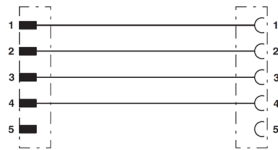
Connection Cable Unshielded Plug / Socket, M12x1, 4/5 Poles



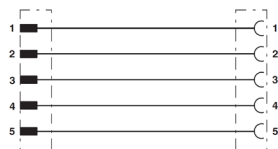
Suitable for	Description	Order code
EE100Ex-T23	M12 connecting cable, 4 poles, M12x1 plug ↔ socket, unshielded, PUR (Polyurethane)	HA010826 (2 m / 6.6 ft)
- Oilport 30 - Omniport 30 - Sigma 05	M12 connecting cable, 5 poles, M12x1 plug ↔ socket, unshielded, PUR (Polyurethane)	HA010813 (2 m / 6.6 ft) HA010814 (5 m / 16.4 ft) HA010815 (10 m / 32.8 ft)

Connection diagram

HA010826



HA010813



Feature

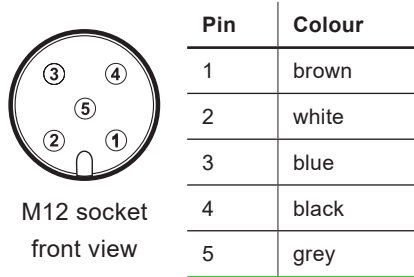
- Temperature range: -25...+85 °C (-13...+185 °F)

Connection Cable M12x1 Socket 5 Poles / Free Cable Ends



Suitable for	Order code
All sensors with M12 plug, 4 / 5 poles	HA010819 (1.5 m / 4.9 ft) HA010820 (5 m / 16.4 ft) HA010821 (10 m / 32.8 ft)

Connection diagram



Pin	Colour
1	brown
2	white
3	blue
4	black
5	grey

Description

- 5 poles, M12x1 socket ↔ free cable ends, shielded, PUR (Polyurethane)

Feature

- Temperature range: -40...+80 °C (-40...+176 °F)

Connection Cable Socket 4 Poles/Free Cable Ends , Angled 90°

Suitable for

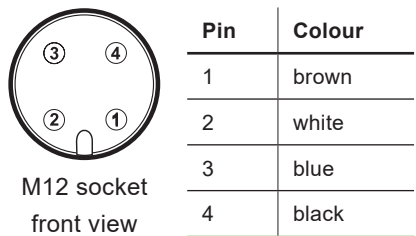
- All sensors with M12 plug, 4 poles

Order code

HA010824

(2 m/6.6 ft)

Connection diagram



Description

- 4 poles, M12x1 socket, angled 90°

Feature

- Temperature range: -40...+80 °C (-40...+176 °F)

Connection Cable Socket 8 Poles/Free Cable Ends



Suitable for

- All sensors with M12 plug 8 poles

Order code

HA010322

(1.5 m/4.9 ft)

HA010323

(3 m/9.8 ft)

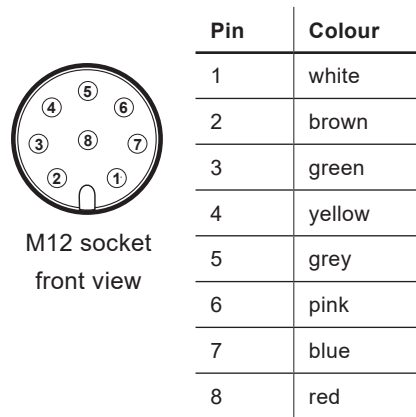
HA010324

(5 m 16.4 ft)

HA010325

(10 m/32.8 ft)

Connection diagram



Description

- 8 poles, M12x1 socket ↔ free cable ends, shielded, PUR (Polyurethane)

Feature

- Temperature range: -40...+80 °C (-40...+176 °F)

Sensor Connecting Cable, Socket 5 Poles / Free Cable Ends with Ferrules



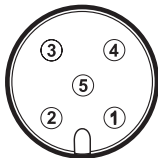
Suitable for

- EE671

Order code

HA010831
(0.5 m / 1.64 ft)
HA010832
(2 m / 6.56 ft)

Connection diagram



M12 socket
front view

Pin	Colour
1	grey
2	brown
3	green
4	yellow
5	white

Description

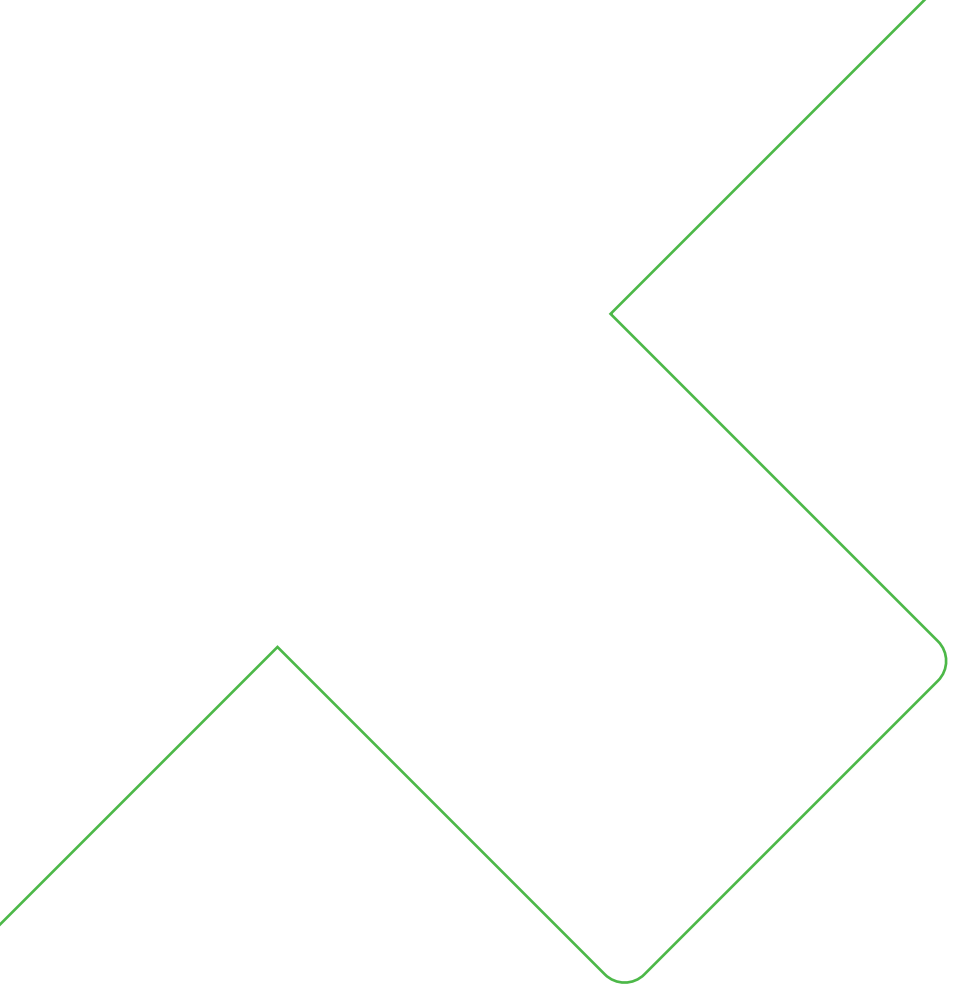
- 5 poles, M12x1 socket ↔ free cable ends with ferrules, PVC (Polyvinylchloride)

Feature

- Temperature range moving:
-25...+70 °C (-13...+158 °F)
- Temperature range not moving:
-40...+80 °C (-40...+176 °F)

USB-C to USB-A Cable

Suitable for	Description	Order code
▪ Sigma 05 ▪ HTS801	▪ Connections: ▪ PC side: USB-A ▪ Sensor side: USB-C ▪ Length 1.8 m (5.9 ft)	HA010327



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