

Accessories


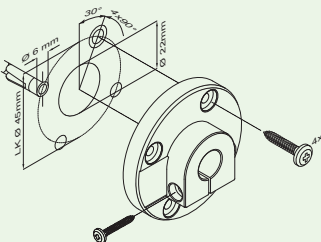

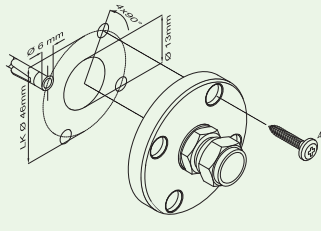

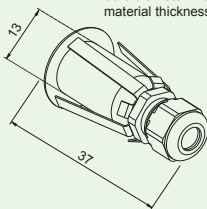

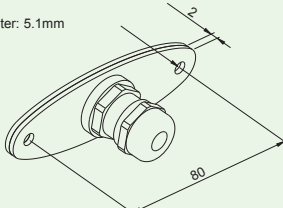

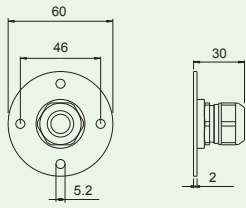

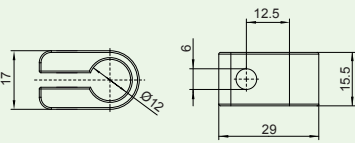
Filter

To protect the sensor elements from pollution, the transmitters are equipped with filter caps. The right choice of filters depends on the application and is very important to maintain free operation. Please ask your local E+E distributor.

| NAME | ASSEMBLY | FEATURES | TYP. APPLICATIONS | ORDER CODE |
|--|--|--|--|---|
| membrane filter  | material: PC special PTFE foil laminated on plastic carrier size of pores: 1 µm length: 34mm (1.34") | average filter effect temperatures up to max. 80°C (176°F) $t_{10/90}$: 15 s | building automation | HA010101 |
| stainless steel sintered filter  | material: sintered stainless steel size of pores: 10 µm length: 33mm (1.30") | for hard mechanical stress and strong pollutions temperatures up to 180°C (356°F) unsuitable for high humidity measurement $t_{10/90}$: 30 s | drying processes | HA010103 HA010103EX for EE30EX series |
| plastic grid filter  | material: PC length: 34mm (1.34") | no filter effect - only mechanical protection quick response time $t_{10/90}$: appr. 5 s temperatures up to 120°C (248°F) | hand-held instruments data loggers | HA010104 |
| PTFE - filter  | material: sintered PTFE size of pores: 50 µm length: 33mm (1.30") | high chemical resistance temperatures up to 180°C (356°F) $t_{10/90}$: 14 s | drying processes in chemical applications | HA010105 |
| metal grid filter  | material: PC with stainless steel wire mesh size of pores: 30 µm length: 34mm (1.34") | for small mechanical stress temperatures up to 120°C (248°F) average pollution suitable for high humidity applications $t_{10/90}$: 15 s | drying processes danger of saturation or applications with RH > 90 % | HA010106 |
| metal grid filter  | material: stainless steel with stainless steel wire mesh size of pores: 30 µm length: 39mm (1.54") | for hard mechanical stress temperatures up to 180°C (356°F) average pollution suitable for high humidity measurement $t_{10/90}$: 7 s | drying processes | HA010109 |
| H ₂ O ₂ - filter  | material: sintered PTFE size of pores: 50 µm length: 33mm (1.30"); Ø12mm (0.47") | catalytic filter for H ₂ O ₂ environments $t_{10/90}$: 14 s | sterilization with H ₂ O ₂ | HA010115 |
| PTFE stainless steel filter  | base body: stainless steel PTFE filter hydrophobic length: 39mm (1.54") Ø12.5mm (0.49") | very good filter effect against environmental influences (e.g. dust, pollutant, salt) very small pore size, pressure of water intake ≥0.5 bar fast recovery after condensation interchangeable PTFE membrane temperature range: -40...150°C (-40...302°F) $t_{10/90}$: 9s | meteorology high humidity applications with condensation | HA010114: complete filter HA010114ME: replacement membrane |


Mounting Flange

Different mounting flanges make the installation of E+E sensor probes easier.


| NAME | SUITABLE FOR | DIMENSIONS (in mm) | ORDER CODE |
|---|--|--|------------|
| plastic mounting flange 12mm (0.47")  | HVAC transmitters 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 | bore diameter: 13mm material thickness: min. 3mm  | HA010208 |
| stainless steel mounting flange 8mm (0.3")  | EE75 EE33-MFTJ (temperature probe) | bore diameter: 5.1mm  | HA010207 |
| duct mounting kit for EE22/EE07  | EE07 |  | HA010209 |
| wall mounting clip Ø12mm (0.47")  | for all probes with Ø12mm (0.47") -35...105°C (-31...221°F) |  | HA010211 |

LC Display


For on site reading various versions are adjustable with a display.

| NAME | SUITABLE FOR | ORDER CODE |
|--|--|--|
| LC display + cover  | EE30EX | D01 |
| LC display + cover  | EE22 metal polycarbonate EE23 metal polycarbonate EE31, EE35, EE36 metal polycarbonate EE33 metal | D07M D07P D03M D03P D05M D05P D05M |

Power Supply Unit

| NAME | DESCRIPTION | SUITABLE FOR | ORDER CODE |
|---|---|----------------------------------|------------|
| power supply unit  | external plug power supply input: 100 - 240V AC 50-60Hz / 180mA output: 18V DC / 330mA | HVAC and industrial transmitters | V02 |


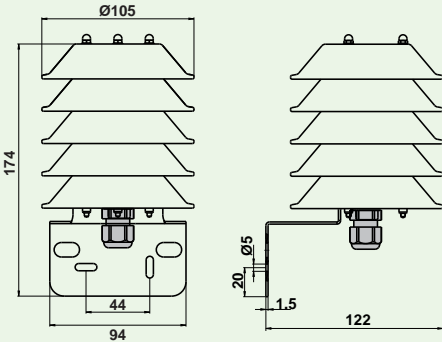

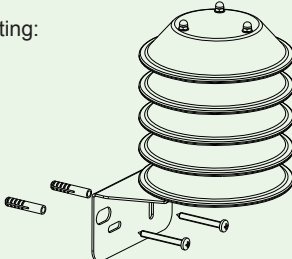
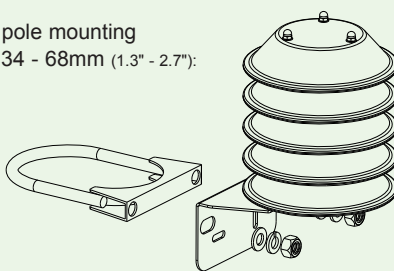

Replacement Sensors

| NAME | DESCRIPTION | SUITABLE FOR | ORDER CODE |
|---|---|----------------------|--|
| replacement sensors  | replacement humidity sensor with sensor data replacement humidity sensor without sensor data replacement temperature sensor | EE31, EE30EX EE23 | FE10 FE10-HC01 (with coating) FE09 FE09-HC01 (with coating) TE38 |


Accessories

Radiation Shield

For outdoor applications the transmitters must be equipped with a 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 mounting and pole mounting.


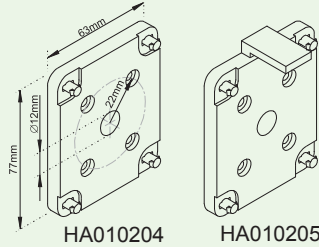

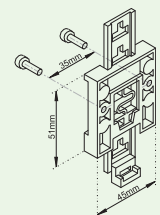
| NAME | SUITABLE FOR | DIMENSIONS / MOUNTING | ORDER CODE |
|---|--|---|------------|
| radiation shield for EE21  | EE21-xA2x | example: HA010506  | HA010501 |
| radiation shield with clamping ring Ø 12mm  | EE23/31 with remote sensing probe EE06 EE07 EE33-J (T-Sensor) | mounting options: - wall mounting:  - pole mounting 34 - 68mm (1.3" - 2.7"):  | HA010502 |
| radiation shield with thread  | EE08 EE33-J (T-Sensor) | | HA010506 |

Dripping Water Protection

| NAME | DESCRIPTION | SUITABLE FOR | ORDER CODE |
|--|----------------|---------------------------------|------------|
| dripping water protection  | Ø 85mm (3.35") | all sensor probes Ø12mm (0.47") | HA010503 |


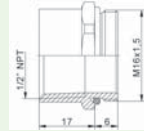

Snap in

For quick and easy installation and deinstallation.



| NAME | SUITABLE FOR | DIMENSIONS | ORDER CODE |
|---|----------------------------------|--|--|
| snap in - mounting flange for wall and duct mounting  | EE14, EE16 EE21 EE65, EE66 |  | for wall mounting: HA010204 for duct mounting: HA010205 |
| bracket for installation onto mounting rails*  | EE22, EE23, EE31, EE35, EE36 |  | HA010203 |

*Note: Only for plastic housing, not for metal housing

Screw Connection

| NAME | SUITABLE FOR | DESCRIPTION | ORDER CODE |
|---|---------------------------|--|--|
| adapter M16x1.5 to 1/2"NPT  | general | Adapter M16x1.5 to 1/2"NPT (US conduit fitting)  | HA011101 |
| pressure tight screw connection  | EE33-MFTKx, EE33-MFTJx | for pressure tight probe assembly up to 20bar (300psi) | HA011102: 1/2"ISO Ø12mm (0.47") HA011103: 1/2"NPT Ø12mm (0.47") HA011104: 1/2"ISO Ø6mm (0.24") HA011105: 1/2"NPT Ø6mm (0.24") |

Reference Probe



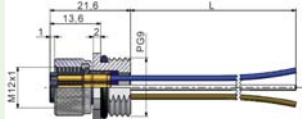

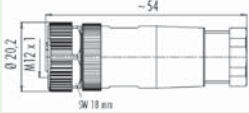


| NAME | SUITABLE FOR | DESCRIPTION | ORDER CODE |
|--|--------------|--|---|
| reference probe  | EE22 | EE07 probes with defined measuring values to check the digital/ analogue conversion of the EE22 basic unit (with test report) Probe 1: 90% RH / 5°C (41°F) Probe 2: 10% RH / 45°C (113°F) | HA010403 |
| replacement probe EE07  | EE22 | The calibration data are stored in the probe. A fast replacement of the probe without readjustment of the evaluation electronics is guaranteed. | housing stainless steel: EE07-MFT9 housing PC / membrane filter: EE07-PFT1 housing PC / metal grid filter: EE07-PFT6 for coating of sensors add HC01 |

Accessories

Interface Convertor / Interface Cable

| 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 RS485 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 recording 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 for configuration, adjustment or test cable length: 2m (6.6ft) | HA011005 |
| RS232 Interface Cable for Screw Terminals  | EE31, EE30Ex, 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, EE30Ex, 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 |
|---|--------------|---|---|
| M12x1 Flange Coupling for EE07  | EE07 |  I = 50mm (2") | HA010705 |
| M12x1 Flange Coupling for EE08  | EE08 type D | flange coupling for housing assembly, I = 200mm (8")  | HA010703 |
| M12x1 Flange Receptacle Configurable for EE08  | EE08 type D | 8 pole flange receptacle configurable, IP67 (NEMA 4)  | HA010704 |
| Connecting Cable EE22/EE07  | EE07, EE22 | connecting cable – sensing probe EE07 with EE22 transmitter | length 2m (6.6ft): HA010801 length 5m (16.4ft): HA010802 length 10m (32.8ft): HA010803 |
| Connecting Cable EE07  | EE07 | connecting cable with flying leads for sensing probe EE07 | length 1m (3.3ft): HA010809 length 2m (6.6ft): HA010810 length 5m (16.4ft): HA010811 length 10m (32.8ft): HA010812 |
| Connecting Cable EE08  | EE08 type D | connecting cable with flying leads for sensing probe EE08 type D | length 1.5m (4.9ft): HA010322 length 3m (9.8ft): HA010323 length 5m (16.4ft): HA010324 length 10m (32.8ft): HA010325 |
| Connecting Cable VELOPORT/ OMNIPOINT 20  | OMNIPOINT 20 | connecting cable hand-held - probe | length 2m (6.6ft): HA010813 length 5m (16.4ft): HA010814 length 10m (32.8ft): HA010815 |