



HD32.36: Outdoor-box for complete weather stations acquisition system. **Material: Polyester reinforced with hot-moulding Fiberglass.** Screen to protect the box from solar radiations. Powder-coated, anodized aluminium. White colour. Key lock. Dimensions: 415 x 310 x 170 mm. Protection degree: IP66. Equipped with the accessories to mounting on a mast diameter 36 ÷ 52 mm. **Provided for 100 ÷ 240Vdc mains power supply**, includes: HD32MT.1 datalogger, power supply unit AC / DC with battery charger, rechargeable 12V battery, surge protection, breakers, power distribution terminals and connectors for connection to external sensors.

HD32.36FP: Outdoor-box for complete weather stations acquisition system. **Material: Polyester reinforced with hot-moulding Fiberglass.** Screen to protect the box from solar radiations. Powder-coated, anodized aluminium. White colour. Key lock. Dimensions: 415 x 310 x 170 mm. Protection degree: IP66. Equipped with the accessories to mounting on a mast diameter 36 ÷ 52 mm. **For power supply by solar panel**, includes: HD32MT.1 logger, solar panel charge controller, and power distribution terminal block connectors for connection to external sensors.

**HD 52.35 - HD 52.35FP - HD 52.36 - HD 52.36FP
 DATA ACQUISITION SYSTEM FOR METEO STATIONS**

HD32.35: Outdoor-box for complete weather station acquisition system. **Material: AISI 304 stainless steel.** Screen to protect the box from solar radiations. Powder-coated anodized aluminium, white colour. Double lock, one with a key. Dimensions: 450 x 300 x 210 mm. Protection degree: IP66. Equipped with the accessories to mounting on a mast diameter 36 ÷ 52 mm.

Provided for 100 ÷ 240Vdc mains power supply, includes: HD32MT.1 datalogger, power supply unit AC / DC with battery charger, rechargeable 12V battery, surge protection, breakers, power distribution terminals and connectors for connection to external sensors.

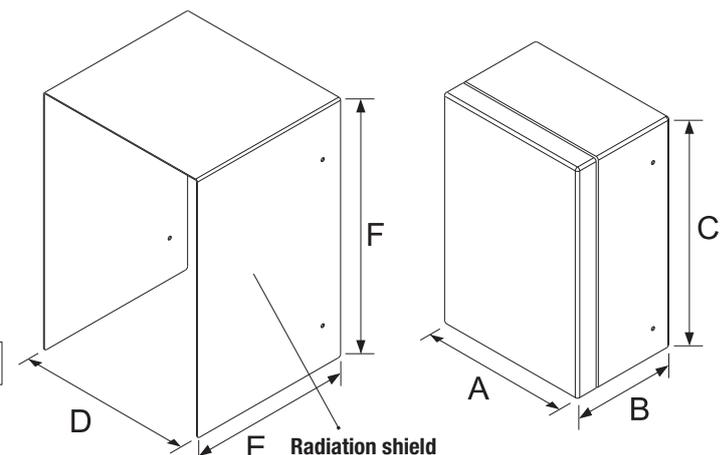
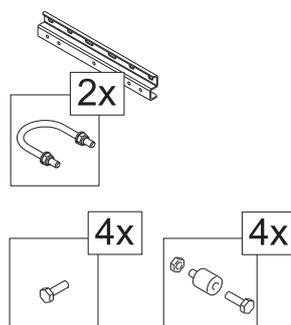
HD32.35FP: Outdoor-box for complete weather stations acquisition system. **Material: AISI 304 stainless steel.** Screen to protect the box from solar radiations. Powder-coated anodized aluminium, white colour. Double lock, one with a key. Dimensions: 450 x 300 x 210 mm. Protection degree: IP66. Equipped with the accessories to mounting on a mast diameter 36 ÷ 52 mm. **For power supply by solar panel**, includes: HD32MT.1 logger, solar panel charge controller, and power distribution terminal block connectors for connection to external sensors.



HD 32.35FP

Environmental analysis

	mm					
	A	B	C	D	E	F
HD32.35						
HD32.35FP	300	210	450	340	235	502
HD32.36						
HD32.36FP	310	170	415	350	195	470





HD53GSM QUAD-BAND GSM/GPRS MODULE

HD53GSM is a wireless quad-band GSM/GPRS modem. The module is controlled via standard RS232 serial interface and AT commands. It features:

- SIM card slot,
- SMA antenna connector,
- power line connector with remote on/off line,
- two status LED: the POWER LED is switched on when the GSM is powered, the NET LED indicates the connection status to the GSM net,
- RS232 Sub-D 9-pin connector.

Specifications:

Frequency band (MHz)	GSM850, GSM900, DCS1800, PCS1900
Output power	Class 4 (2W) @ GSM850 and GSM900 Class 1 (1W) @ DCS1800 and PCS1900
Antenna connector	Female SMA, 50 ohm
Interface	RS232, Sub-D 9-pin connector
SIM	1.8V and 3V SIM card slot
Power supply	8...28Vdc, with removable terminal block and ON/OFF pin
Operating temperature	-35...+80°C

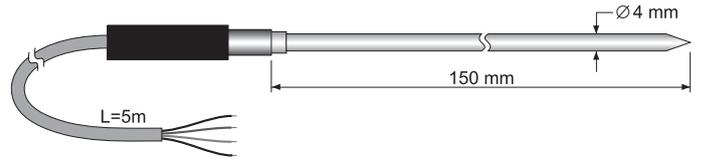
Other features:

- Controllable via AT commands
- TCP/IP stack integrated
- Power Saving Mode

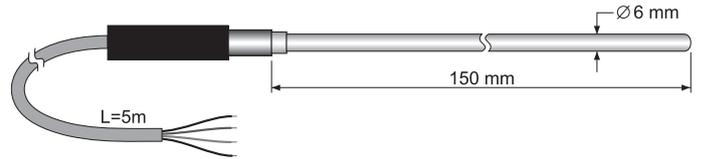


TEMPERATURE PROBES

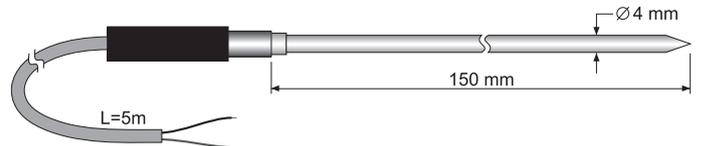
TP 32MT.1P.I: 4-wire 1/3 DIN Pt100 temperature probe, Ø 4mm, L=150mm, pointed, 5m cable, isolated sensor. Temperature range -40...+100°C.



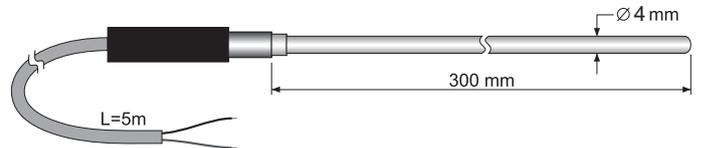
TP 32MT.2.I: 4-wire 1/3 DIN Pt100 temperature probe, Ø 6mm, L=150mm, 5m cable, isolated sensor. Temperature range -40...+100°C.



TP 32MT.11P: T type thermocouple temperature probe, Ø 4mm, L=150mm, pointed, 5m cable, isolated. Temperature range -40...+100°C.

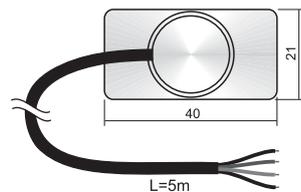


TP 32MT.12: T type thermocouple temperature probe, Ø 4mm, L=300mm, 5m cable, isolated. Temperature range -40...+100°C.

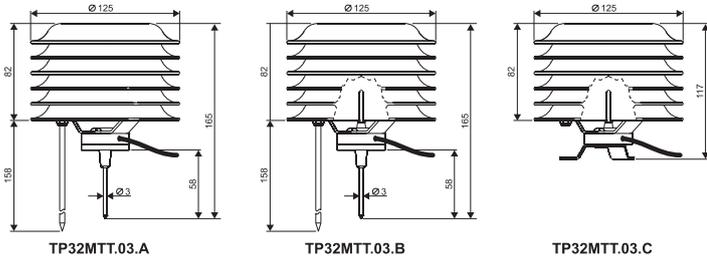


TEMPERATURE PROBE FOR SOLAR PANEL TP878.1SS

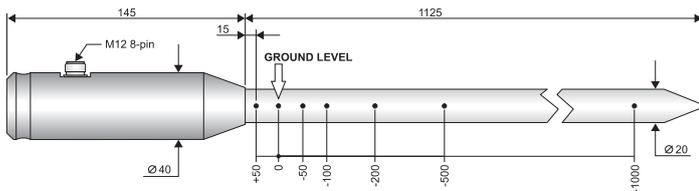
TP 878.1SS.0: Contact probe for solar panels. Pt100 4-wire. Cable 5 m. Temperature working range 0...+85 °C.



- TP 32MTT.03.A:** 4-wire Pt100 1/3 DIN temperature probe for measuring the soil temperature at a depth of 50 mm. With protective shield form solar radiations. Temperature range -40...+85°C. 4-pole cable ended with open wires. Cable length L = 2, 5 or 10 m.
- TP 32MTT.03.B:** Temperature probe with two 4-wire Pt100 1/3 DIN sensors for measuring the soil and air temperature (± 50 mm). With protective shield form solar radiations. Temperature range -40...+85°C. 8-pole cable ended with open wires. Cable length L = 2, 5 or 10 m.
- TP 32MTT.03.C:** 4-wire Pt100 1/3 DIN temperature probe for measuring the air temperature. With protective shield form solar radiations. Temperature range -40...+85°C. 4-pole cable ended with open wires. Cable length L = 2, 5 or 10 m.

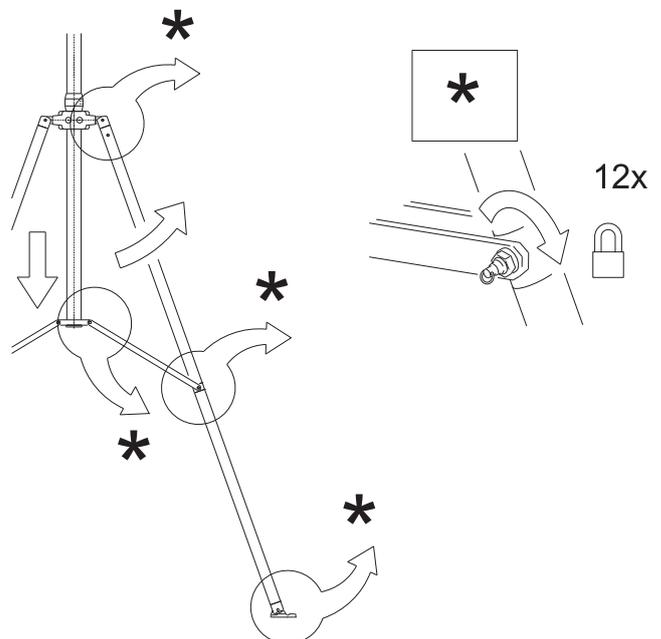


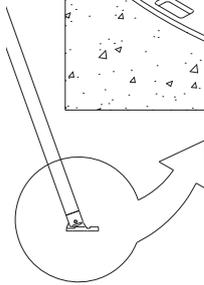
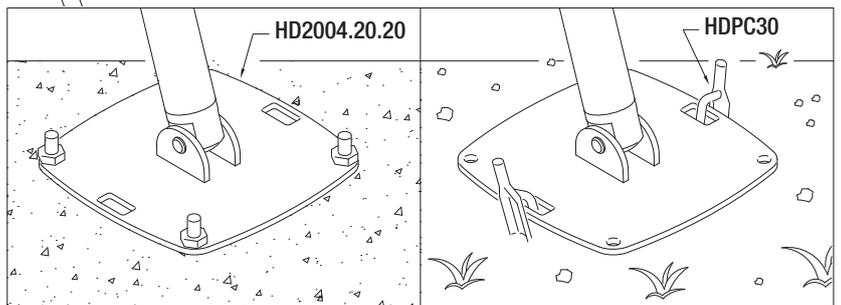
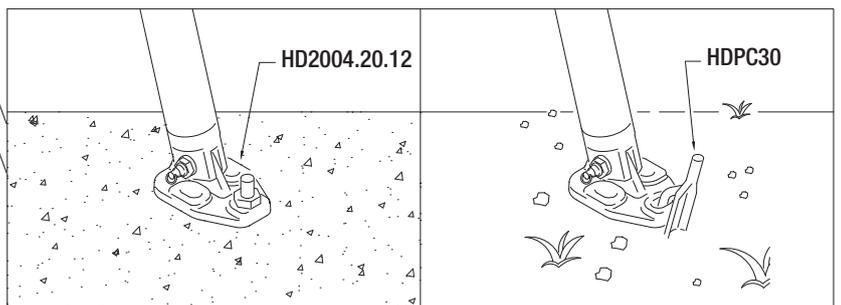
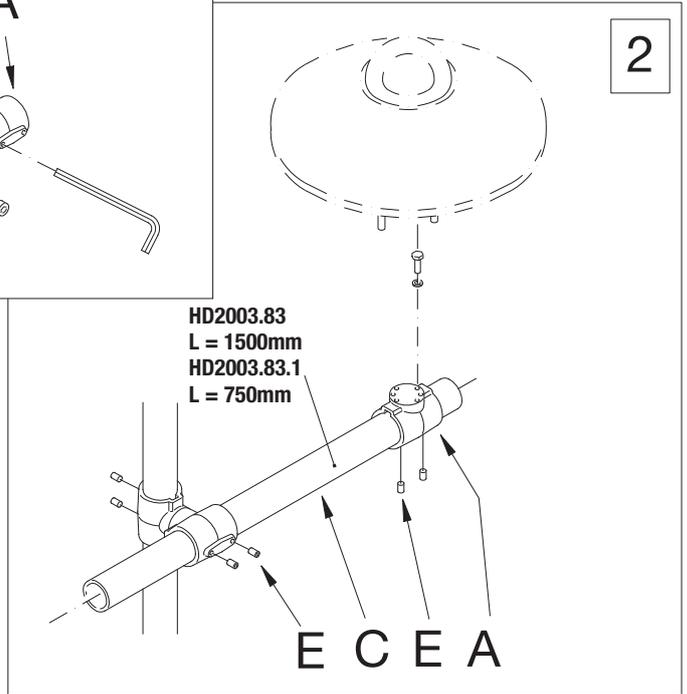
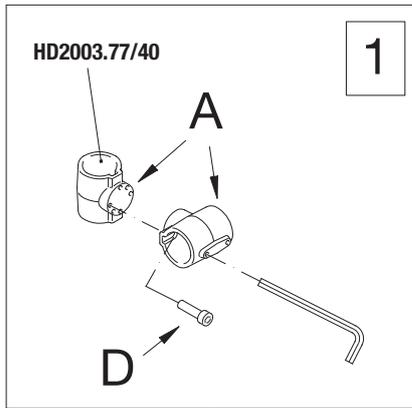
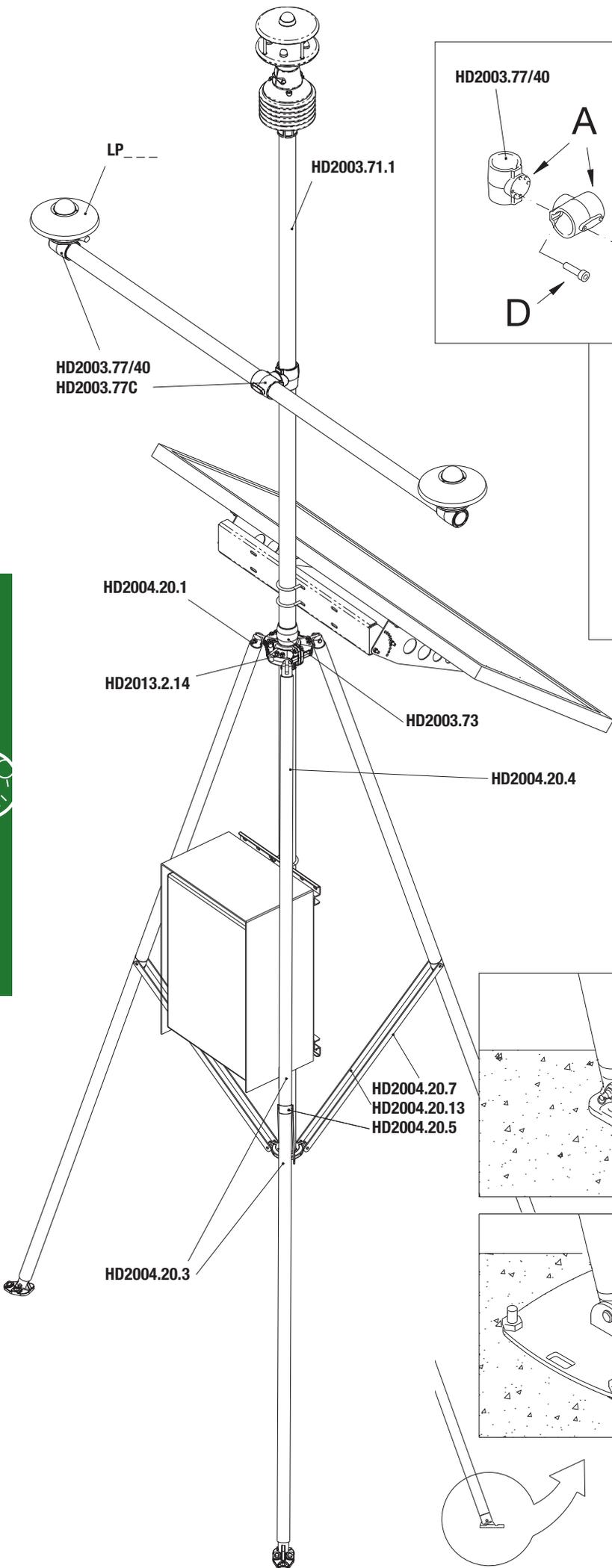
- TP 32MTT.03:** Temperature probe with seven Pt100 1/3 DIN sensors for measuring the temperature at the depth of: +5 cm, 0, -5 cm, -10 cm, -20 cm, -50 cm, -1m with respect to the ground level, according to the WMO indications. Digital RS485 output with MODBUS-RTU protocol. 8-pole M12 male connector. 5...30 Vdc power supply. It can be connected to the RS485 port of the HD32MT.1 datalogger. The CPM12 AA8... must be ordered separately.

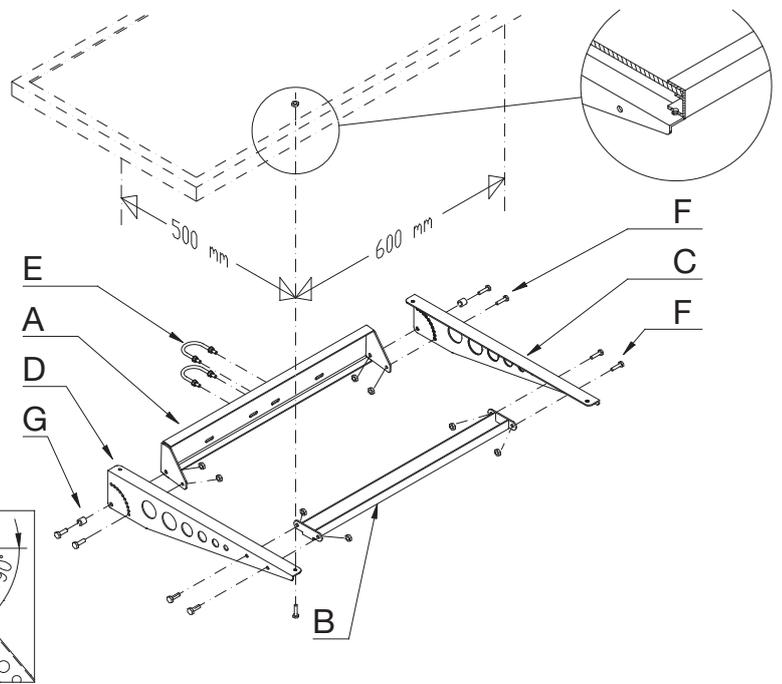
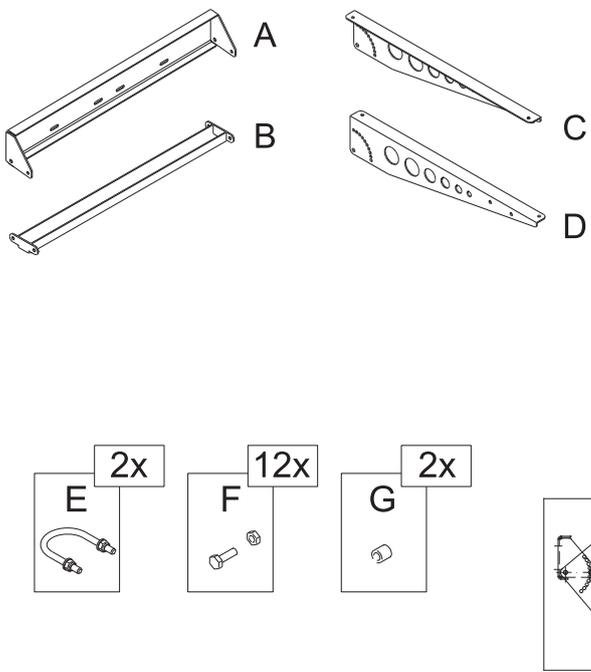
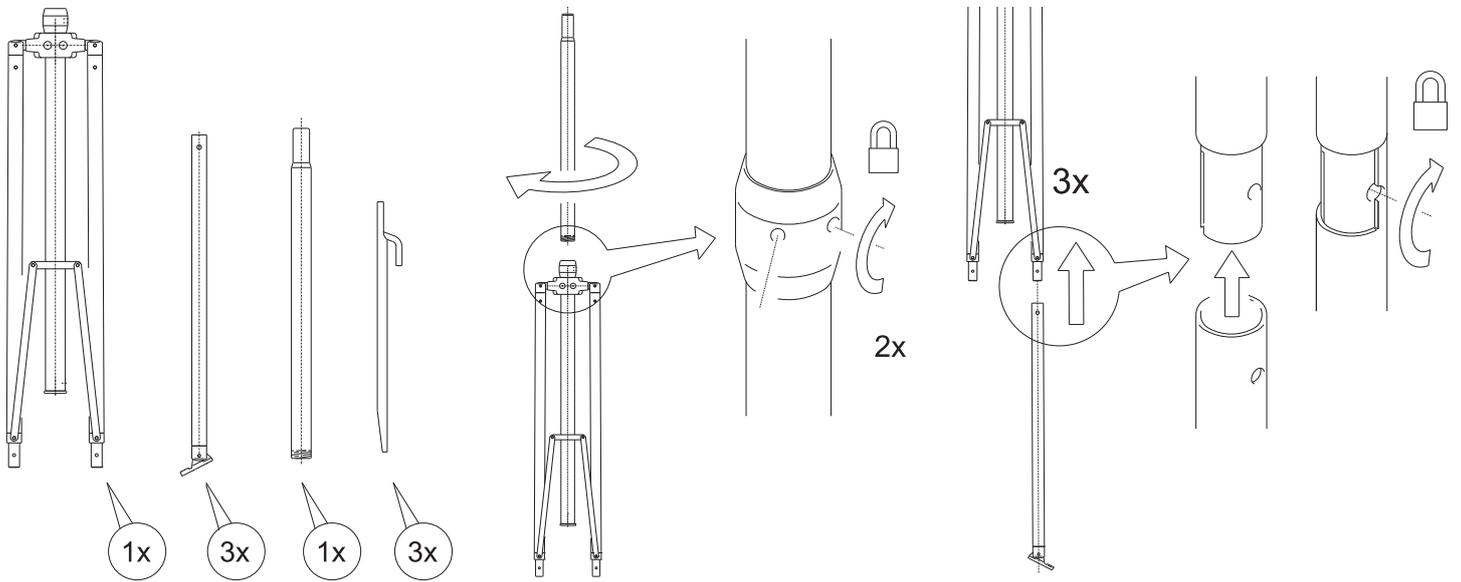


HD2004.20 TRIPOD HD2004.22 HOLDER FOR SOLAR PANEL

- HD 2004.20:** Tripod kit with adjustable legs for installing environmental sensors (anemometers, pyranometers, temperature and humidity, etc.). Material: anodized aluminum. Height 3m. It can be fixed on a flat base with screws or to the ground with pegs.
- HD 2004.22:** Adjustable holder to be fixed to the mast. Material: AISI 304. For installing the solar panel. Dimensions: height 530 mm, width 620 mm.







Environmental analysis

HD2004.22

