

CALIBRATION CABLE SMARTPAT

IDEAL USAGE

Projects that involves employing a specialized cable to link a pH-sensor provided by UR to a laptop in order to configurate and/or calibrate.

APPLICATIONS

- Suitable for the purpose of taking charge of the calibration procedure.
- USB interface cable for offline calibration and configuration of other loop powered HART devices



SPECIFICATIONS

Type:	OPTIBRIDGE
USB cable length:	0,3 m / 11.81"
M8-cable length:	1.7 m / 66.3"
Housing:	Stainless steel 1.4301 V2A
Closure caps material	EPDM
Ingress protection	IP65 (not for USB)
Ex-marking:	[Ex ia] IIC
Device category:	II (1) G
Reference	ZELM 16 ATEX 0557

DESIGN

Connectors:	USB 2.0, M8 cable connector (female)
Connectors Adapter cable M8-VP2:	M8 connector (male), VP cable connector (female)
Connectors Adapter cable M8-strands:	M8 connector (male), strands

OPERATING CONDITIONS

Ambient temperature:	0...+55°C / +32...+131°F
Storage temperature:	-40...+70°C / -40...+158°F
Altitude	0 ... 2000 m / 6600 ft
Relative humidity	5 ... 95% rH, not condensing

COMMUNICATION

Field communication:	HART@7-FSK1200 physical layer definition on top of the current loop
Power supply:	No external supply required. Interface is powered via USB port
Supply voltage:	5 V (via USB 2.0)
Output voltage:	24 V +/- 10% (towards sensors)
Maximum ripple:	0.2 V p-p (47 Hz ... 125 Hz)
Maximum noise:	1.2 mV rms (500 Hz ... 10 kHz)
Maximum series impedance:	403 Ohm

BENEFITS

- Equipped with USB 2.0 und M8 female connector for connection of different sensor adapter cables

STORAGE AND TRANSPORT

- Store the device in a dry, dust-free location
- Avoid contact with water
- Store the device in its original packing
- Storage temperature: -40... + 70 °C / -40 ... +158 °F

APPROVALS AND CERTIFICATES

- This device fulfils the statutory requirements of the EC directive. The manufacturer certifies successful testing of the product by applying the CE mark
- EX: IECEx: [Ex ia] IIC
ATEX: II (1)G [Ex ia] IIC, Directive 2014/34/EU

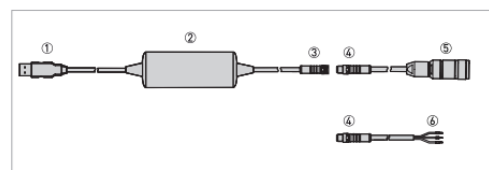


Figure 2-2: Construction of the device

- ① USB 2.0
- ② OPTIBRIDGE
- ③ M8 connector (female)
- ④ M8 connector (male)
- ⑤ VP cable connector
- ⑥ Strands

Adapter cable M8-VP2 for OPTIBRIDGE with M8 connector (male) ④ and VP cable connector ⑤ for sensor with VP2-connector (optional).

Adapter cable M8-Strands for OPTIBRIDGE with M8 connector (male) ④ and strands ⑥ (optional).