

KELLER

OUICK GUIDE LEVEL PROBES

SERIES

26C. 26Y. 27Y 26X, 26Xi, 27X, 36KyX, 36XS 36XW, 36XiW, 36XiW-CTD 46X and various other custom series



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This quick guide is an extract from the detailed operating instruction for level probes, which can be found at www.keller-pressure.com for the respective product.

DISCLAIMER

KELLER accepts no liability in the event of improper use, damage or modification to the device or failure to observe this quick guide.

INTENDED USE

- Level probes are used to convert a hydro static pressure into a standardised electrical signal.
- The level probes in the various series referred to have been developed for relative or absolute pressure measurement of water or fill levels depending on their type.
- Make sure that the device is suitable for your corresponding application. Please get in touch with your direct sales contact if you are unsure of anything.

• The technical specifications listed in the data sheet are only binding insofar as no other agreements have been made.

SWISS MADE

n.c.

+Vs

OUT/GND

222625.0001

WH:

RD:

BK:

P/N

The label and the specifications on the product serve to

identify it. The laser engraving or adhesive label typical-

Products with a serial number display this on the metal

DANGER: The device may only be installed on

systems that are depressurised or de-energised.

WARNING: The device must not be used in ha-

Do not remove the packaging until immediately

before installation to avoid damaging the dia-

Avoid excessive tensile loads on the cable con-

Make sure the holes in the end cap are free from

✓ As standard, level probes are delivered without

accessories such as mounting materials.

PRODUCT IDENTIFICATION

CKELLER

PR-26Y

4...20 mA

8...32 VDC

0...10 mH2O

ly contain the following details:

Туре

Range

Output

Supply

Example of label

 Product number Type designation

• Pressure range Output signal

Supply voltage

Production date

housina.

 \checkmark

 \checkmark

 \checkmark

MOUNTING

• Electrical connections

zardous areas.

nections.

impurities/dirt.

phragm and/or the thread.

INSTALLATION OF SCREW-IN LEVEL PROBE WITH PRESSURE CONNECTION

Pressure connection example

- ~ Use a suitable tool for installation.
- Make sure to seal the pressure connection cor-1 rectly.
- Tighten the level probe with the appropriate \checkmark amount.
- \checkmark Install the level probe in such a way that it cannot be exposed to any prohibited mechanical tension.

ELECTRICAL INSTALLATION

- Connect the device according to the electrical connections on the label or the specification.
- Prevent the cable from kinking.
- The following minimum bending radiuses must be adhered to when installing the cable:

Minimum bending radius for cable without capillary:

permanent installation: 6-fold cable diameter flexible usage: 12-fold cable diameter

Minimum bending radius for cable with capillary:

- PR), make sure there is adequate, dry ventilation.
- by using an additional retaining cable, for cable lengths > 50 m.

CONNECTION DIAGRAMS

2-wire / 4...20 mA



Ρ GND U ----

RS485



SDI-12



May vary from series to series. Please see the relevant communication protocol for additional information.

COMMISSIONING

- WARNING: Before operating the device for the first time, check whether the device has been installed properly.
- WARNING: The device may only be operated by qualified personnel who have read and understood the operating instructions.
- WARNING: The level probe must only be operated within the terms of the specifications. See the technical data in the data sheet or the agreed specifications.



Subject to technical alterations. 450565.0119, Version 02/2023



with USIT ring.

CE

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15/22

 \checkmark

15-fold cable diameter

- Ensure adequate earthing via the cable shield. \checkmark
- Avoid potential differences between measuring and connection points. The resulting ground loops can lead to a defect of the level probe.
- \checkmark

- \checkmark
- \checkmark For reference devices (relative pressure versions,
- Make sure the cable is mounted securely, e.g.

3-wire / 0...10 V / 0,5...4,5 V / etc.