



(Image shows KL 2)

KL 2

Terminal Box Plastics

- ▶ for connecting 2-wire submersible transmitters
- ▶ integrated pressure balance item
- ▶ optional:
 - overvoltage protection
 - HART® programming interface

The terminal box KL 2 is intended for the professional electrical connection of submersible level transmitters. It consists of the plastics material ABS. Thus, it is a cost-effective alternative to our well proven aluminium terminal box KL 1.

A pressure compensation element is responsible for the compensation of atmospheric pressure variations. On the supply side a cable without ventilation tube can be used.

Vertical terminal clamps enable easy connection of cables inside the case.

The KL 2 with optional overvoltage protection is additionally equipped with surge arresters with a nominal discharge current of 10 kA.

As a further option the KL 2 is available with a HART® programming interface.

- ▶ low-cost ABS case
- ▶ ingress protection IP 66
- ▶ pressure compensation with PTFE filter assembly
- ▶ 2 signal lines
- ▶ optional overvoltage protection:
 - nominal discharge current: 10 kA
- ▶ optional HART® programming interface:
 - connection of programming device via terminal clamps

Characteristics



KL 2
Terminal Box



General specifications

Number of signal lines	2-wire (4 ... 20 mA)
Housing material	plastic ABS, grey
Ingress protection	IP 66
Cable entries	cable gland M16x1.5 Polyamide, seals NBR, IP 68, diameter range: standard 5 ... 10 mm, others on request
Atmospheric pressure compensation	pressure compensation element with PTFE filter
Terminal clamps	vertical clamps for stranded and solid wires up to 2.5 mm ²
Weight	approx. 220 g

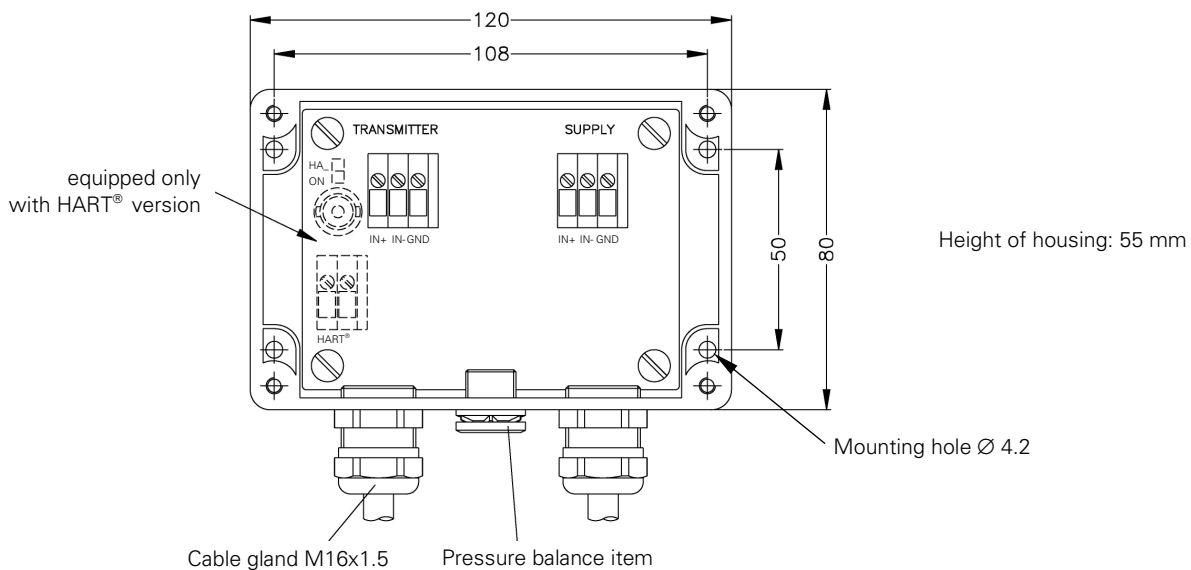
Optional overvoltage protection

Series resistance	10 Ω for each wire
Nominal discharge current	10 kA (8/20 μs)
Max. rated current	30 mA

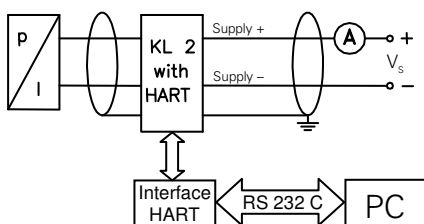
Optional HART® programming interface

Connections	terminal clamp connection
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Dimensions (in mm)



Wiring diagram



The ground wires of all components have to be connected!

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Ordering code KL 2

KL 2 - ZB.601 -

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Version						
standard	2	0	0			
over voltage protection	2	0	1			
HART® communication interface	2	H	0			
HART® communication interface and over voltage	2	H	1			
Special version						
standard				0	0	0
wit integrated 4-digits LED display				5	0	0
customer				9	9	9

on request
on request

HART®