



KL 2

Terminal Box

Plastics

Product characteristics

- ▶ cost-efficient ABS case
- ▶ for connecting 2-wire submersible transmitters
- ▶ integrated pressure balance item
- ▶ 2 signal lines

Optional versions

- ▶ Version for two independent 2 wire circuits
- ▶ overvoltage protection
- ▶ HART® connection

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

A pressure balance item 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® connection.



General specifications

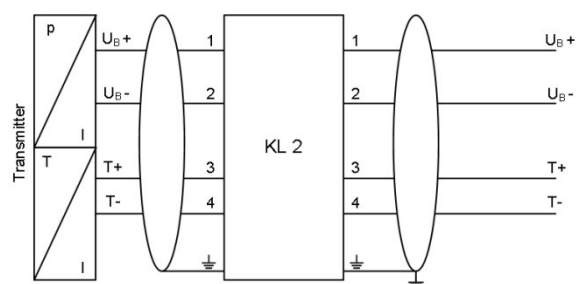
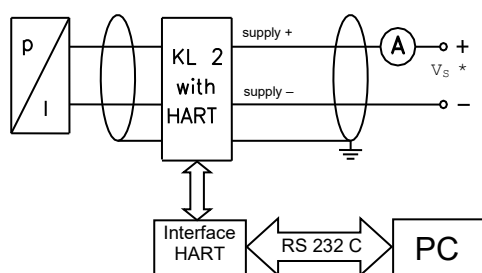
Number of signal lines	2-wire (4 ... 20 mA)
Housing material	plastic ABS, grey
Ingress protection	IP 66
Cable entries	cable gland M16x1.5 Polyamide, seals NBR, IP 68, diameter range: standard 5 ... 10 mm others on request
Atmospheric pressure compensation	pressure balance item with PTFE filter
Terminal 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 μ s)
Max. rated current	30 mA

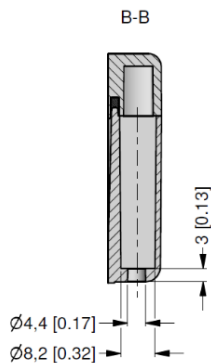
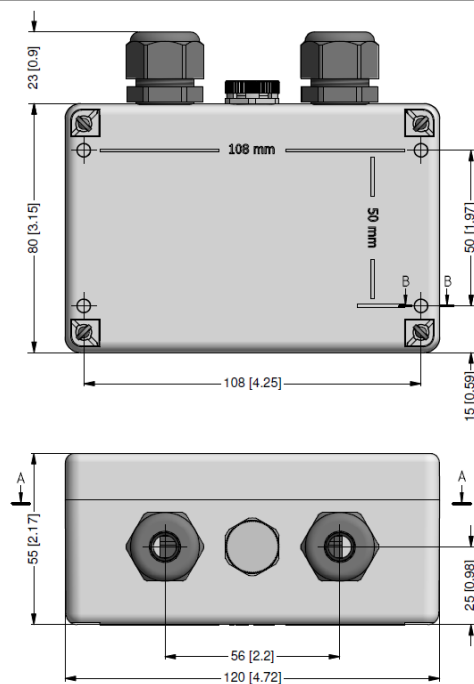
Optional HART® connection

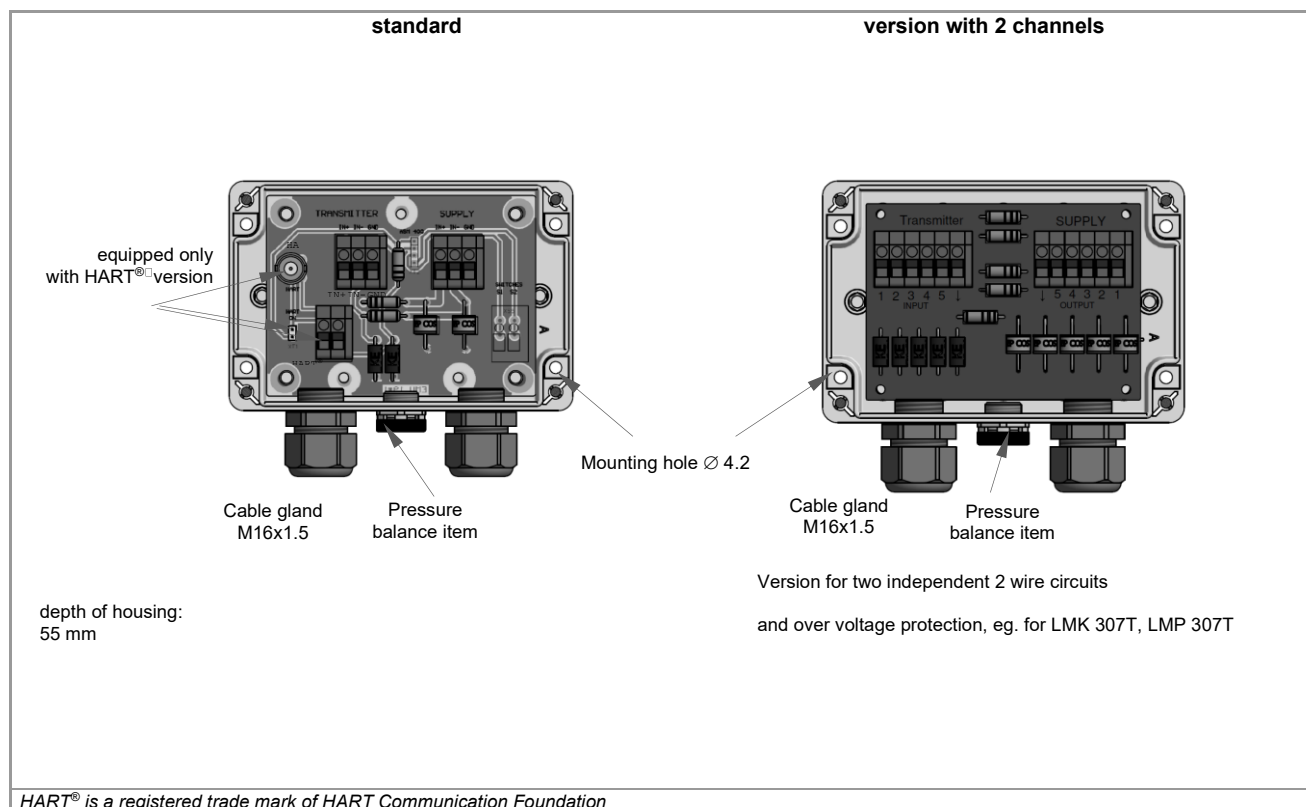
Connections	terminal clamp connection
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Wiring diagram

Version with 2 channels, eg. LMK 307T, LMP 307T

* The supply V_S has to be chosen according to needs of the used transmitter.
The ground wires of all components have to be connected!

Dimensions (in mm)



Ordering code KL 2 - ZB.601

23.08.2024

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Version							
Standard	2	0	0				
Overvoltage protection	2	0	1				
Version with 2 channels ¹	2	2	0				
Version with 2 channels + overvoltage protection ¹	2	2	1				
HART® communication interface	2	H	0				
HART® communication interface and over voltage protection	2	H	1				
Special version							
Standard				0	0	0	
Customer				9	9	9	

HART® is a registered trade mark of HART Communication Foundation

0,-...without additional charge

On request...in accordance with the producer

Surcharges for calibration are not subject to any discounts. Subject to change.

This document contains the specification for ordering the product;

detailed technical parameters of the product and its possible variants are given in the data sheet.

BD SENSORS reserves the right to change sensor specifications without further notice.

1 version for 2 independent 2 wire circuits



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