

# 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 <sup>2</sup>
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® connection	
Connections	terminal clamp connection
Wiring diagram	
	Version with 2 channels, eg. LMK 307T, LMP 307T
<p>* The supply <math>V_S</math> has to be chosen according to needs of the used transmitter. The ground wires of all components have to be connected!</p>	
Dimensions (in mm)	
<p><b>standard</b></p> <p>depth of housing: 55 mm</p>	<p><b>version with 2 channels</b></p> <p>Version for two independent 2 wire circuits and over voltage protection, eg. for LMK 307T, LMP 307T</p>
<p>HART® is a registered trade mark of HART Communication Foundation</p>	

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