

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 μs)
Max. rated current	30 mA
Optional HART® connection	
Connections	terminal clamp connection
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)	
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>standard</p> </div> <div style="text-align: center;"> <p>version with 2 channels</p> </div> </div>	
depth of housing: 55 mm	
Version for two independent 2 wire circuits and over voltage protection, eg. for LMK 307T, LMP 307T	
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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		
	version with 2 channels ¹	2	2	0		
	version with 2 channels and over voltage 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
	customer				9	9

consult

¹ Version for 2 independent 2 wire circuits

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