

## Transducer LKM 101, Thermocouples, B-head, 4..20mA

### Functional Description

The LKM 101 device is an analogue transducer for thermocouples (K) acc. to DIN EN 60584. The temperature-sensitive voltage is transformed voltage-linearly into a current output of 4..20mA. The transducer LKM 101 is mounted inside the protection head type B. The working range of the instrument needs a span of at least 200K. The transducer LKM 101 is tuned within a customized span ex works. Further fine-tuning can be arranged by adjusting zero and span.

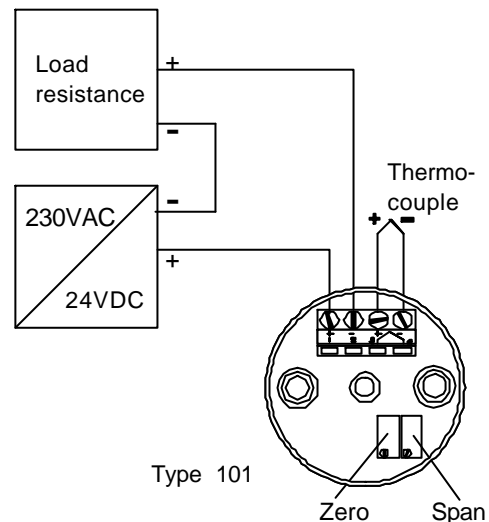


### Technical Data

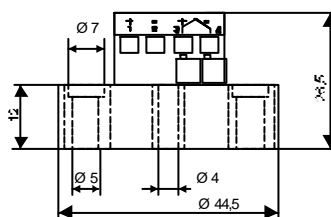
Input:	thermocouples type K
Zero:	>-270°C *
Span:	>200 °K *
Linearity error:	<1% FS
Loop voltage:	10..35V DC ,polarity-safe
Output:	4..20mA current loop
Probe break:	>20mA
Short circuit:	current value for ambient temperature
Reaction time:	<0.1s
Temp. coefficient:	<100ppm/°C
Operating temp. range:	-40..85°C
Storage temp. range:	-40..120°C
Humidity:	<95%
Type of terminals:	screw terminals
Clamping range:	0.13..1.5mm <sup>2</sup>
Sealing compound:	polyurethane black
Weight:	approx. 30g
Vibration:	5g/10..200Hz
Warranty:	2 years

EMC  
 Emission and Noise immunity: EN 61326-1:2006  
 EN 61326-2-3:2006

### Schematic Diagram



### Dimensions



### Load resistance

