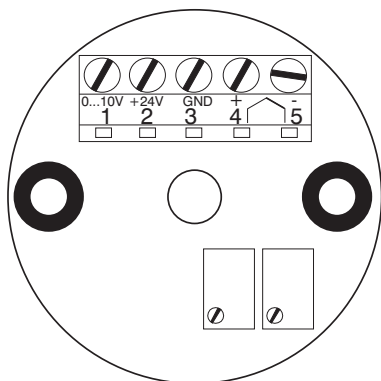


## Components and accessories

### Transmitter

#### Transmitter LKM 102



∅ 44 mm  
26,5 mm high



#### In-Head Transmitter LKM 102

##### Thermocouples, B-head, 0..10V, 24V supply voltage

The LKM 102 is an analogue transducer for thermocouples acc. DIN EN 60584 or DIN 43713.

The temperature-sensitive voltage will be transformed voltage-linearly into a voltage output of 0..10V.

The transducer LKM 102 is to be mounted inside the protection head type B. The working range of the instrument needs a span of at least 200°C. The transducer LKM 102 is tuned within a customized span ex works. Further fine-tuning can be arranged by adjusting zero and span.

#### Input

thermocouple K, J(L), T(U), N, E;  
S B with higher fault

#### Output

0...10V short-circuit-proof

#### Range

> 200°C\*

#### Zero point

> -270°C\*

#### Loop voltage

10...35VDC, reverse protection

#### Sensor fracture

>10V

#### Shorted Sensor

ambient temperature

#### Permissible ripple

< 10 %

#### Reaction time

< 0.1s

#### Vibration

5g/10-200Hz

## Components and accessories

### Transmitter

#### Transmitter LKM 102

**Linearity error**

<1% FS\*

**Error of compensation**

<± 0.5°C

**TCR**

<100ppm/°C

**Operating temperature range**

-25°C ... +85°C

**Terminal type**

screw terminal

**Clamping range**

0.13...1.5mm<sup>2</sup>

**Humidity**

< 95%

**EMC emission**

EN 61000-6-3:2001

**EMC interference rejection ratio**

EN 61000-6-3:2001

**Mounting**

B-Head

**Current consumption**

max. 10 mA

**Supply voltage**

15...35V DC reverse protection

**Dimension**

44mm x 26,5mm (DxH)

**Sealing compound**

Polyurethan, black

**Weight**

approx. 30g

\* dependent upon thermocouple