

## measuring transducer

### measuring transducer KMU 100

#### features

- measuring transducer for PT100 and PT1000 resistance thermometer
- mounting in alu- and stainless steel connection heads possible
- input for 2-,3- and 4-wire connection
- cable compensation at 2-wire switching
- supply by 4-20mA slotted link
- configuration by interface plus online on site
- considerably possibilities for setting-up with PC-software
- on request pre-adjusted
- monitoring of sensor break

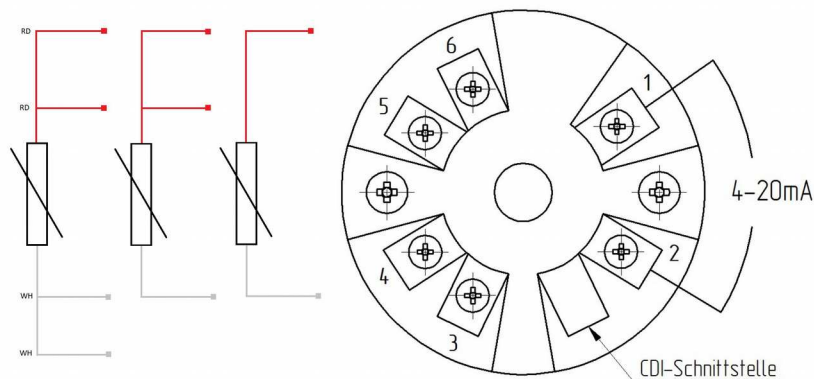


KMU 100

#### overview technical specifications

- housing: plastics PC, D:44mm x H:26,5mm, 7mm central bore, attachment 2 screws M4 for Din B- housing
- temperature of environment: operating temperature -40°C...85°C, storage temperature -50°C...100°C
- electrical connection: 6 screwing clamp 1,5mm<sup>2</sup>
- voltage supply: 10...36VDC, rest corrugation +-5%
- input: PT100/PT1000 2-, 3-, 4- wire
- output: 4-20mA, overflow 21mA, underflow 3,5mA
- measuring area: max. -200°C...+650°C
- measuring span: min. 10 K
- accuracy: -50°C...250°C: <=0.1K or 0.07% of measuring span\*  
in the entire measuring range: 0.15K or 0.07% of the measuring span\*  
\*the larger value is valid

#### connection charts



order-code KMU 100

order example: KMU100 (0...150°C)

order-code parametrization software kit PXU01

order example: PXU01

parametrization software kit PXU01, consisting of:

- software on CD
- interface adapter at USB-port
- plug adapter for KMU and temperature sensor WTR 4XX-series