WM-25

KONGSBERG

Sensor Simulator

Description

Application and general description

With the WM-25 Sensor/Transmitter Simulator you can easily test for correct readings and alarm functions of measuring points on monitoring systems.

Connecting the simulator to the terminals rather than the sensor or converter tests the measuring point. By using the simulator settings, correct readings and alarm functions from the corresponding measuring point can be tested.

High quality resistors are used for simulation of temperature sensors with a resistance element. For simulation of current transmitters, see Fig.2.

Technical specifications

Power supply: 8 to 35 VDC
Protection grade: IP53
Weight: 0.7 kg

Sensor/Transmitter type	**Simulated value**	**Accuracy** 10 to 30 °C amb. temp.	**Accuracy** 0 to 40 °C amb. temp.
Temperature sensor with T802 ohm element at 20 °C	0 °C 50 °C 100 °C		±0.4 °C
Temperature sensor with Pt100 or Pt1000element	-200 °C 150 °C -50 °C 160 °C 0 °C 200 °C 50 °C 300 °C 80 °C 600 °C 100 °C	Pt100/Pt1000 4-wire: -200 to 160 °C: ±0.1 °C 200 to 600 °C: ±0.25 °C	Pt100 2-wire ±0.3 °C
Transmitters with 1 to 5 mA output signal: GT-1, GT-2, GT-9 GT-10, GA-3 and GA-5	1 mA 3 mA 5 mA	0.05 % of FRO *)	0.08 % of FRO *)
Transmitters with 4 to 20 mA output signal: GT-7, GT-8, GT-100, GT103, GT-104, GT200 series, GT220 series, GA-100, GA-110, GA-112, GA-120, GC-100 etc.	4 mA 12 mA 20 mA	0.05 % of FRO *)	0.08 % of FRO *)

**) FRO = Full Range Output*

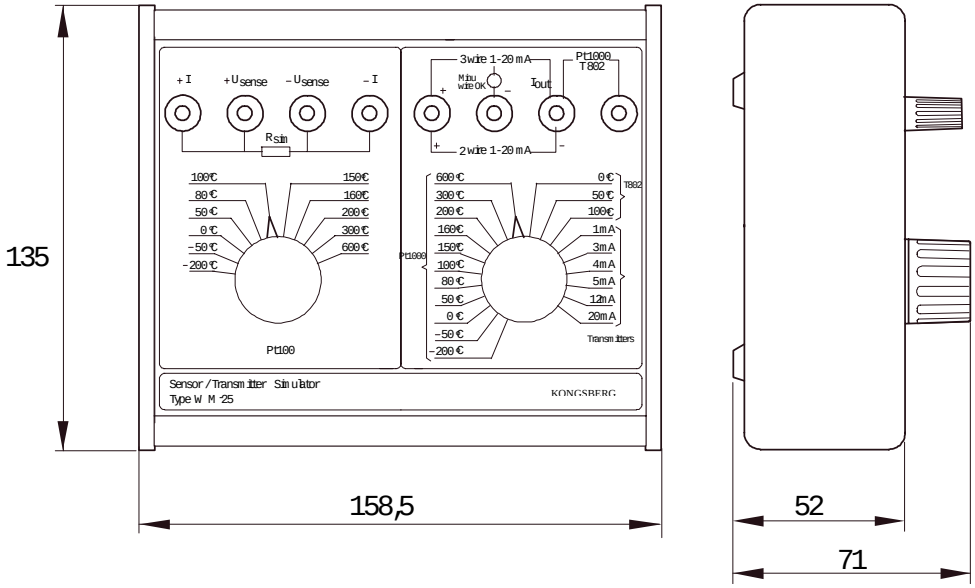

Fig. 1: The WM-25, dimensions

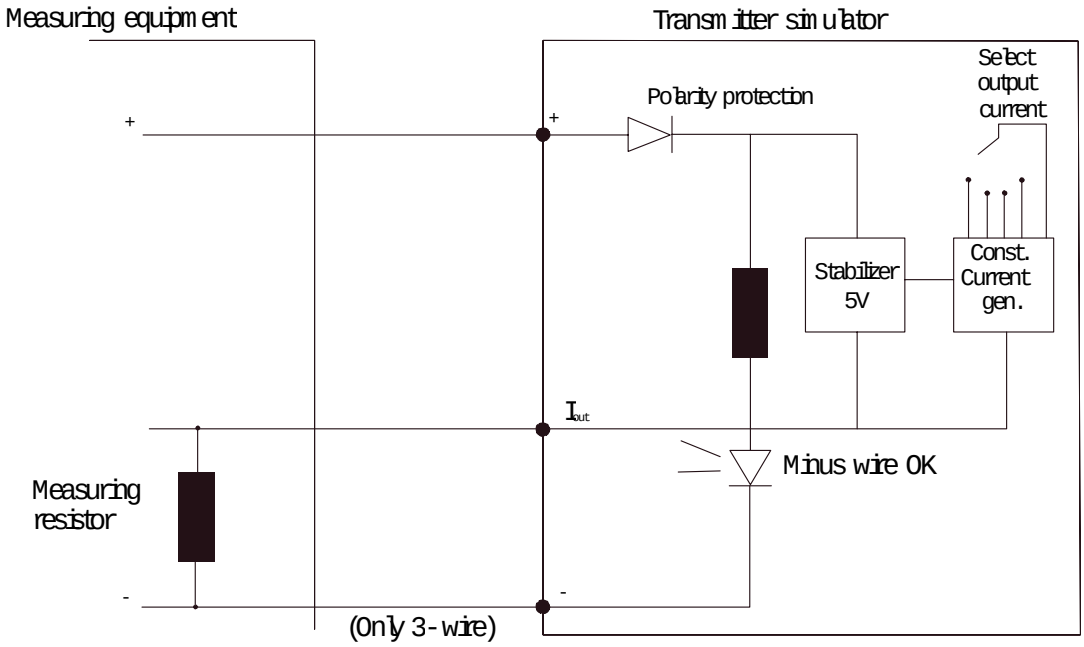

Fig. 2: The WM-25, block diagram

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