

Built-in digital indicator for temperature, current and voltage

Type Adi./48

- LED display, resolution: 0,1 / 1,0°C
- Direct connection to a resistance-thermometer Pt 100, thermocouples or current and voltage deverter
- Indication range up to 1999 digits
- Built-in housing according to DIN 43700 front dimension 96 x 48 mm, installation depth 110 mm
- Connections over AMP plug connection 6,3 mm
- High indication accuracy



Input: resistance-thermometer Pt 100 according to DIN 43760, thermocouples Fe-Konst (J), NiCr-Ni (K), PtRh-Pt (S), hygrometers (FG 80 H and FG 120), as well as current and voltage giver.

No circuit adjustment needed, devices for connection of resistance-thermometer Pt 100 in 2-, 3- or 4-wire-circuit are useable.

Temperature compensation: serially in devices for connection of thermocouples!

Power supply voltage: 230 V / 50-60 Hz (110 V / 60 Hz)

Indication accuracy: ± 0,5%, ± 1 digit of scale, for Pt 100 in 1,0-div.: ± 1 digit, for Pt 100 in 0,1-div.: ± 0,2°C/32,36°F, ± 1 digit

Ambient air temperature effect: ± 0,15% / 10/K

Allowed ambient air temperature: 0°C/32°F up to 50 °C/122°F

Options:

Analog output, 0(4) – 20 mA

10 mV/K for Pt 100

-199,9°C/~328°F...+199,9°C/~392°F

1 mV/K for all other temperatures

Indication ranges:

Resistance-thermometers Pt 100:

-199,9°C/~328°F...+199,9°C/~392°F
 0°C/32°F...+600°C/1112°F : 1,0°C/1,8°F

Thermocouples:

Fe-Konst (J): 0°C/32°F...+900°C/1652°F : 1,0°C/1,8°F

NiCr-Ni (K): 0°C/32°F...+1200°C/2192°F : 1,0°C/1,8°F

PtRh-Pt (S) : 0°C/32°F...+1600°C/2912°C : 1,0°C/1,8°F

Voltage:

± 1,999V (1mV)

± 19,99V (10mV)

± 199,9V (100mV)

± 1000V (1V)

Current:

± 1,999mA (1µA)

± 19,99mA (10µA)

± 199,9mA (100µA)

± 1,999A (1mA)

Other measurement ranges on inquiry, for example for pressure sensors in bar, mbar, etc!

If you need some other specifications please don't hesitate to contact us!

Type description:

AdiW/48-	= For connection of resistance-thermometers Pt 100
AdiT/48-	= For connection of thermocouples
AdiF/48-	= For connection of humidity sensors
AdiE/48-	= For connection of current-voltage
A0-20	= Analog output 0 - 20mA
A4-20	= Analog output 4 - 20mA
A10	= Analog output 10 mV/K, only Pt 100 -199,9 + 199,9°C
A1	= Analog output 1 mV/K for all other indication ranges
-GL	= Full transparent door with frame, protection type IP55

In case of order, please tell us the indication range!

Built-in digital indicator with measuring-point switch, sixfold

Type Adi./96-6, dimension 96 x 96 mm

The device is technically according to Adi./48. In addition it is equipped with a measurement-point switch, sixfold.

The connections are made over the AMP plug connections on the backside.

For resistance-thermometers the switching is effected by 4-wire-circuit. For thermocouples and current or voltage by 2-wire-circuit.

The pressed push-button is easily identifiable by a green marking.

Type description:

- AdiW/96/6 = For connection of resistance-thermometers Pt 100
- AdiT/96/6 = For connection of thermocouples
- AdiE/96/6 = For connection of current-voltage
- GL = Full transparent door with frame, protection type IP 55

Measuring-point switch ME 48

without illustration

The dimensions of the measuring-point switch ME 48 are 96 x 48 mm. This device is made for switching 10 measuring-points in 4-wire-circuit. The switching is effected by a rotary switch, the active measuring-point is shown by a LED.

Connections are made by a plug receptacle on the backside. In addition to temperatures all voltages up to max. 24 V are switchable.

Type description: ME 48