

Multi-channel measuring instrument TT-Scan for SIKA temperature calibrators

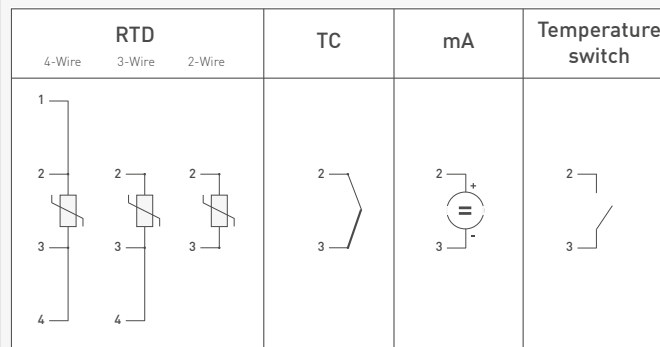


TT-Scan

Technical data

TT-Scan

Possibilities to connect



Type

Multi-channel temperature measuring instrument for reading out DUTs on the temperature calibrator

Measuring inputs

Switchable
For up to 8 sensors
Sensor type free configurable

General data

Power supply

230 VAC \pm 10 %, 50/60 Hz via adapter

Power consumption

Approx. 10 W

Dimensions (D x W x H)

200 x 140 + 40 x 380 mm 7.87 x 5.51 + 1.57 x 14.96 in

Weight

Approx. 2.5 kg Approx. 5.51 lbs

Equipment features

32 x 4 mm / 1.26 x 0.16 in connections free of thermal voltage
Connection for external calibration reference sensor
External cold junction available
Serial USB data interface, incl. USB data cable

Options

Aluminium transport case, test & calibration software, DAkkS-Certificate, SIKA-Works calibration certificate, external calibration reference sensors

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Multi-channel measuring instrument // Measuring inputs

Technical data

Type		Measuring range		Accuracy	
Resistance thermometer EN 60751					
Pt100 Pt500 Pt1000	2-, 3-, 4-wire	-90.00 °C...850.00 °C	-130.00 °F...1562.0 °F	±0.005 % full scale ±0.01 °C	±0.005 % full scale ±0.02 °F
Connection possibility through 4 mm / 0.16 in connections free of thermal voltage					
Thermocouples according to DIN EN 60584 / DIN 43710					
Type K	NiCr-Ni	-90.00...999.99 °C 1000.0...1370.0 °C	-130.00...1831.9 °F 1832.0...2498.0 °F	±0.007 % full scale ±0.01 °C ±0.005 % full scale ±0.1 °C	±0.007 % full scale ±0.02 °F ±0.005 % full scale ±0.18 °F
Type J	FeCu-Ni	-90.00...900.00 °C	-130.00...1652.0 °F	±0.005 % full scale ±0.01 °C	±0.005 % full scale ±0.02 °F
Type N	NiCrSi - NiSiMg	-90.00...999.99 °C 1000.0...1370.0 °C	-130.00...1831.98 °F 1832.0...2498.0 °F	±0.007 % full scale ±0.01 °C ±0.005 % full scale ±0.1 °C	±0.007 % full scale ±0.02 °F ±0.005 % full scale ±0.18 °F
Type E	NiCr-CuNi	-90.00...700.00 °C	-130.00...1292.0 °F	±0.005 % full scale ±0.01 °C	±0.005 % full scale ±0.02 °F
Type R	Pt13Rh - Pt	0.00...999.99 °C 1000.0...1760.0 °C	32.00...1831.9 °F 1832.0...3200.0 °F	±0.05 % full scale ±0.01 °C ±0.03 % full scale ±0.1 °C	±0.05 % full scale ±0.02 °F ±0.03 % full scale ±0.18 °F
Type T	Cu-CuNi	-90.00...400.00 °C	-90.00...400.00 °F	±0.01 % full scale ±0.01 °C	±0.01 % full scale ±0.02 °F
Type B	Pt30Rh-Pt6Rh	0.00...999.99 °C 1000.0...1820.0 °C	32.00...1831.98 °F 1832.0...3308.0 °F	±0.05 % full scale ±0.01 °C ±0.03 % full scale ±0.1 °C	±0.05 % full scale ±0.02 °F ±0.03 % full scale ±0.18 °F
Type S	Pt10Rh-Pt	0.00...999.99 °C 1000.0...1760.0 °C	32.00...1831.98 °F 1832.0...3200.0 °F	±0.05 % full scale ±0.01 °C ±0.03 % full scale ±0.1 °C	±0.05 % full scale ±0.02 °F ±0.03 % full scale ±0.18 °F
Type L	Fe-CuNi	-90.00...900.00 °C	-130.00...1652.0 °F	±0.005 % full scale ±0.01 °C	±0.005 % full scale ±0.02 °F
Type U	Cu-CuNi	90.00...600.00 °C	194.00...1112.0 °F	±0.01 % full scale ±0.01 °C	±0.01 % full scale ±0.02 °F
Automatic comparison point compensation between 0 °C / 32 °F and 60 °C / 140 °F					
Accuracy of the comparison point Pt100 DIN class A					
Possibility of connection through 4 mm / 0.16 in connections free of thermal voltage					
Standard signal input					
Current (switchable)	mA	0(4)...20 mA		±0.015 % full scale ±0.01 mA	
Transmitter supply 24 VDC, I _{max} = 30 mA,					
Possibility of connection through 4 mm / 0.16 in connections free of thermal voltage					
Temperature switch					
Automatic detection of an edge change, determining the hysteresis,					
Independent detection normally closed / normally open					
Potential-free input contacts (U _{max} = 5 V, I _{max} = 1 mA)					
Possibility of connection through 4 mm / 0.16 in connections free of thermal voltage					
Calibration reference sensor connection					
Pt100	4-wire	-90.00...850.00 °C	-90.00...850.00 °F	±0.005 % full scale ±0.01 °C	±0.005 % full scale ±0.02 °F
Polynomial correctable through internal parameters or through external EEPROM inside the sensor					
Possibility of connection through 7-pin built-in socket					

Article numbers

TT-Scan & accessories	Order code
8-channel measuring instrument TT-Scan	ET3849U0308003
SIKA-Works calibration certificate measuring inputs	EKTTSKAN00000W
DAkKS-Certificate measuring inputs	EKTTSKAN00000D
PC-Software (Temperature calibrator + TT-Scan)	EZ380000000001
Reference sensor TFEE 255-3-300 [-55...255 °C / -67...491 °F]	W033P413000XX002
Reference sensor TFEE 650-3-300 [-35...650 °C / -31...1202 °F]	W034P413000XX002
Sensor specific linearization TFEE	EKTTFEE-LIN0000
SIKA-Works certificate TF or TFEE	EKTMK0000000W
DAkKS-Certificate for TF or TFEE [-30...500 °C / -22...1202 °F]	EKTMK0000000D

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