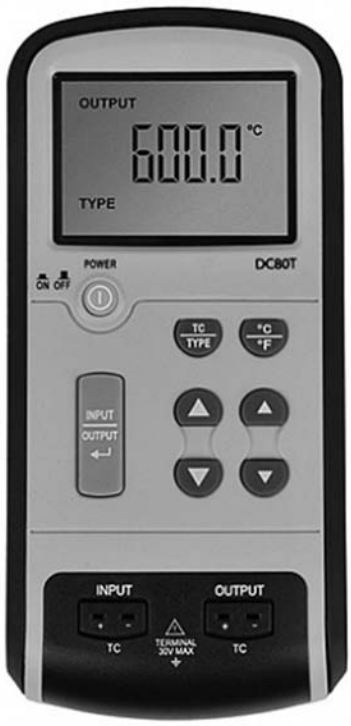
Limatherm Sensor Sp. z o.o.
Skrudlak Street 1, 34-600 Limanowa
www.limathermsensor.com
tel. +48 18 330 10 00
fax. +48 18 330 10 04
e-mail export@limathermsensor.com

Thermocouple Calibrator / Simulator **DC80T**

Technical description

Characteristic

– measurement and simulation of 8 TC sensor types: J, K, T, E, R, S, B i N
– generates and measures electrical voltage (mV) in the -10 mV to +75 mV range
– accuracy:
  ± 0.3 °C for temperature
  0.025 % for mV
– temperature resolution: 0.1 °C
– voltage resolution: 0.01 mV
– automatic cold junctions compensation (Cjc)
– maximum error for cold junction compensation: ± 0.3 °C
– maximum voltage allowed between terminals or terminals and ground: 30 V
– temperature unit selection from °C and °F
– low battery indication
– working temperature: (0 ÷ 50) °C
– storage temperature: (-40 ÷ 60) °C
– temperature effect on measurement/simulation: 0,02%/°C from (0 ÷ 18) °C and (28 ÷ 50) °C
– operating relative humidity: 95% up to 30 °C, 75% from 40 °C, 45% up to 50 °C
– power source: 6x AAA 1,5V
– dimensions [mm]: 205x98x46
– weight [g]: 475 (with batteries)
– additional accesories:
  - 6 type AAAbatteries 1.5 V
  - two mini thermocouple connectors
  - one bead thermocouple sensor with mini connector
  - operation manual
  - case



Type	Range	Resolution	Accuracy	Max. CJC error
J	(-200 ÷ 1200) °C	0,1 °C	±(0,3 °C + 10 µV)	±0,3 °C
K	(-200 ÷ 1370) °C	0,1 °C	±(0,3 °C + 10 µV)	±0,3 °C
T	(-200 ÷ 400) °C	0,1 °C	±(0,3 °C + 10 µV)	±0,3 °C
E	(-200 ÷ 950) °C	0,1 °C	±(0,3 °C + 10 µV)	±0,3 °C
R	(-20 ÷ 1750) °C	1 °C	±(1 °C + 10 µV)	±0,3 °C
S	(-20 ÷ 1750) °C	1 °C	±(1 °C + 10 µV)	±0,3 °C
B	(-600 ÷ 1800) °C	1 °C	±(1 °C + 10 µV)	±0,3 °C
N	(-250 ÷ 1300) °C	1 °C	±(0,3 °C + 10 µV)	±0,3 °C
mV	(-10 ÷ 75) mV	0,01 mV	±(0,025% + 0,02 MV)	

Ordering example

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