

DRUCK DPI 821

TYPE: THERMOCOUPLE CALIBRATOR



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THERMOCOUPLE TYPE	STANDARD	RANGE°F	RANGE°C	ACCURACY °F*	ACCURACY °C*
R	IEC 584	-58...32	-50...0	5.4	3.0
R	IEC 584	32...572	0...300	3.6	2.0
R	IEC 584	572...3216	300...1769	1.8	1.0
S	IEC 584	-58...32	-50...0	4.5	2.5
S	IEC 584	32...212	0...100	3.4	1.9
S	IEC 584	212...3216	100...1769	2.5	1.4
E	IEC 584	-454...-238	-270...-150	1.6	0.9
E	IEC 584	-238...1832	-150...1000	0.7	0.4
N	IEC 584	-454...-4	-270...-20	1.8	1.0

*COLD JUNCTION ERROR(MAX) : RANGE 50°...86°F(10....30°C) =0.4°F(0.2°C)

Add 0.01° CJ Error/°ambient temperature for ranges 14....50° F, 86....122°F (-10....10°C,30....50°C)

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N	IEC 584	-4...2372	-20...1300	1.1	0.6
L	DIN 43710	-328...1652	-200...900	0.6	0.3
U	DIN 43710	-328...212	-200...100	0.9	0.5
U	DIN 43710	212...1112	100...600	0.6	0.3
C		32...2732	0...1500	1.8	1.0
C		2732...3632	1500...2000	2.5	1.4
C		3632...4208	2000...2320	3.4	1.9
D		32...3092	0...1700	1.8	1.0
D		3092...3992	1700...2200	2.9	1.6
D		3992...4523	2200...2495	6.5	3.6

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Add 0.01° CJ Error/°ambient temperature for ranges 14....50° F, 86....122°F (-10....10°C,30....50°C)

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K	IEC 584	-454...-328	-270...-200	3.6	2.0
K	IEC 584	-328...2498	-200...1370	1.1	0.6
J	IEC 584	-346...2192	-210...1200	0.9	0.5
T	IEC 584	-454...292	-270...-180	2.5	1.4
T	IEC 584	-292...-94	-180...-70	0.9	0.5
T	IEC 584	-94...752	-70...400	0.6	0.3
B	IEC 584	122...932	50...500	7.2	4.0
B	IEC 584	932...2192	500...1200	3.6	2.0
B	IEC 584	2192...3308	1200...1820	1.8	1.0

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Add 0.01° CJ Error/°ambient temperature for ranges 14....50° F, 86....122°F (-10....10°C,30....50°C)

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SPECIFICATIONS:

Range (mV)	Impedance
-10...100	<0.2Ω

OPERATING TEMPERATURE	14.....122°F(-10.....50°C)
STORAGE TEMPERATURE	-4.....158°F(-20.....70°C)
HUMIDITY	0 TO 90% Without condensation (Def stan 66-31,8.6 cat III)
SIZE(L:W:H)	7.1×3.3×2.0 in (180×85×50)mm
WEIGHT	14oz(400gm)
POWER SUPPLY	3×AA alkaline batteries
SHOCK/VIBRATION	BS EN 61010:2001; Def Stan 66-31,8.4 cat III
EMC	BS EN 61326-1:1998 + A2:2001
SAFETY	ELECTRICAL- BS EN 61010:2001; CE MARKED

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APPLICATIONS: USED TO MEASURE AND SIMULATE TEMPERATURE.

CODE: DSE00T000008210003

MANUAL NO. 03