

## Inputs

SENSOR	TYPE	2, 3 or 4 wires				DIFFERENTIAL			
		RANGE °C	RANGE °F	MINIMUM SPAN °C	°C DIGITAL ACCURACY*	RANGE °C	RANGE °F	MINIMUM SPAN °C	°C DIGITAL ACCURACY*
RTD	Cu 10 GE	-20 to 250	-4 a 482	50	± 1.0	-270 to 270	-486 to 486	50	± 2.0
	Ni120 Edison Curve #7	-50 a 270	-58 a 518	5	± 0.1	-320 a 320	-576 a 576	5	± 0.5
	Pt50 IEC	-200 to 850	-328 to 1562	10	± 0.25	-1050 to 1050	-1890 to 1890	10	± 1.0
	Pt100 IEC	-200 to 850	-328 to 1562	10	± 0.2	-1050 to 1050	-1890 to 1890	10	± 1.0
	Pt500 IEC	-200 to 450	-328 to 842	10	± 0.2	NA	NA	NA	NA
	Pt1000 IEC	-200 to 300	-328 to 572	10	± 0.2	NA	NA	NA	NA
	Pt50 JIS	-200 to 600	-328 to 1112	10	± 0.25	-800 to 800	-1440 to 1440	10	± 1.0
	Pt100 JIS	-200 to 600	-328 to 1112	10	± 0.25	-800 to 800	-1440 to 1440	10	± 1.5
	Pt100 MILT	-40 a 540	-40 a 1000	10	± 0.2	-580 a 580	-1040 a 1040	10	± 1.0
	Ni120 MILT	-40 a 205	-40 a 400	5	± 0.13	-245 a 245	-440 a 440	5	± 0.5
	Pt100 IEC	-200 a 850	-328 a 1562	10	± 0.2	-1050 a 1050	-1890 a 1890	10	± 1.0
	Pt100 GOST	-200 a 850	-328 a 1562	10	± 0.2	-1050 a 1050	-1890 a 1890	10	± 1.0
	Pt50 GOST	-200 a 850	-328 a 1562	10	± 0.2	-1050 a 1050	-1890 a 1890	10	± 1.0
	Cu100 GOST	-50 a 200	-58 a 392	10	± 0.15	-350 a 350	-450 a 450	10	± 1.0
	Cu50 GOST	-50 a 200	-58 a 392	10	± 0.15	-350 a 350	-450 a 450	10	± 1.0
THERMO-COUPLE	B NBS	100 to 1800	212 to 3272	50	± 0.5**	-1700 to 1700	-3060 to 3060	60	± 1.0**
	E NBS	-100 to 1000	-148 to 1832	20	± 0.2	-1100 to 1100	-1980 to 1980	20	± 1.0
	J NBS	-150 to 750	-238 to 1382	30	± 0.3	-900 to 900	-1620 to 1620	30	± 0.6
	K NBS	-200 to 1350	-328 to 2462	60	± 0.6	-1550 to 1550	-2790 to 2790	60	± 1.2
	N NBS	-100 to 1300	-148 to 2372	50	± 0.5	-1400 to 1400	-2520 to 2520	50	± 1.0
	R NBS	0 to 1750	32 to 3182	40	± 0.4	-1750 to 1750	-3150 to 3150	40	± 2.0
	S NBS	0 to 1750	32 to 3182	40	± 0.4	-1750 to 1750	-3150 to 3150	40	± 2.0
	T NBS	-200 to 400	-328 to 752	15	± 0.15	-600 to 600	-1080 to 1080	15	± 0.8
	L DIN	-200 to 900	-328 to 1652	35	± 0.35	-1100 to 1100	-1980 to 1980	35	± 0.7
	U DIN	-200 to 600	-328 to 1112	50	± 0.5	-800 to 800	-1440 to 1440	50	± 2.5

**Table 1 - Sensor Characteristics**

SENSOR	RANGE mV	MINIMUM SPAN mV	DIGITAL* ACCURACY %
mV	-6 to 22	0.40	± 0.02% or ± 2 µV
	-10 to 100	2.00	± 0.02% or ± 10 µV
	-50 to 500	10.00	± 0.02% or ± 50 µV

**Table 2 - mV Sensor Characteristics**

SENSOR	RANGE Ohm	MINIMUM SPAN Ohm	DIGITAL* ACCURACY %
Ohm	0 to 100	1	± 0.02% or ± 0.01 Ohm
	0 to 400	4	± 0.02% or ± 0.04 Ohm
	0 to 2000	20	± 0.02% or ± 0.20 Ohm

**Table 3 - Ohm Sensor Characteristics**

\* Accuracy of value read on display and accessed by communication. The 4-20 mA accuracy is the digital accuracy ±0.03%.

\*\* Not applicable for the first 20% of the range (up to 440 °C).

NA: Not applicable.