Input Unit Specifications

Item	Description			
Number of input channels	10 channels			
channels)				
Input method	Photo MOS relay scanning system; all channels isolated			
Scan speed	0.1s/10 ch maximum			
Measurement ranges	Voltage: 20, 50, 100, 500 mV; 1, 2, 5, 10, 20, 50 V; 1-5 V F.S.			
	Temperature			
	Thermocouples: K, J, E, T, R, S, B, N, W (WRe5-26) Humidity: 0 to 100% (Voltage 0V to 1V scaling conversion)			
	*Accuracy (see B-530 in the Options section)			
Measurement accuracy	Voltage: 0.1% of F.S.			
(23°C ±5°C)			Diagonia de la compania del compania del compania de la compania del la compania de la compania della compania	
when 30 minutes have	Thermo couple	Measurement Temperature Range (°C)	Measurement Accuracy	
elapsed after the power	R/S	0 ≤ Ts ≤ 100	±5.2°C	
was switched on		100 < Ts ≤ 300	±3.0°C	
(filter On (10), 1 s sampling)		R: 300 < Ts ≤ 1600°C	±(0.05% of rdg +2.0°C)	
		S: 300 < Ts ≤ 1760°C	±(0.05% of rdg +2.0°C)	
	В	Reference contact compensation accuracy $400 \le Ts \le 600$	±0.5°C ±3.5°C	
		600 < Ts ≤ 1820°C	±(0.05% of rdg +2.0°C)	
		Reference contact compensation accuracy	±0.5°C	
	K	-200 ≤ Ts ≤ -100	±(0.05% of rdg +2.0°C)	
		-100 < Ts ≤ 1370°C	±(0.05% of rdg +1.0°C)	
	E	Reference contact compensation accuracy $-200 \le Ts \le -100$	±0.5°C ±(0.05% of rdg +2.0°C)	
	_	-100 < Ts ≤ 800°C	±(0.05% of rdg +1.0°C)	
		Reference contact compensation accuracy	±0.5°C	
	Т	-200 ≤ Ts ≤ -100	±(0.1% of rdg +1.5°C)	
		-100 < Ts ≤ 400°C	±(0.1% of rdg +0.5°C)	
	J	Reference contact compensation accuracy $-200 \le \text{Ts} \le -100$	±0.5°C ±2.7°C	
		-100 < Ts ≤ 100	±1.7°C	
		100 < Ts ≤ 1100°C	±(0.05% of rdg +1.0°C)	
		Reference contact compensation accuracy	±0.5°C	
	N	0 ≤ Ts ≤ 1300°C	±(0.1% of rdg +1.0°C) ±0.5°C	
	W	Reference contact compensation accuracy $0 \le Ts \le 2000^{\circ}C$	±(0.1% of rdg +1.5°C)	
		Reference contact compensation accuracy	±0.5°C	
Reference contact	Internal/External switching			
compensation accuracy				
A/D converter	16 bits (out of	which 14 are internally acknowledge	rod)	
Temperature coefficient	16 bits (out of which 14 are internally acknowledged) Gain: 0.01% of E.S/.°C			
Zero*: 0.02% of F.S./°C				
	* Occurs when sampling speed is 10, 20, or 50 ms.			
Input resistance	1 MΩ ±5%			
Allowable signal source	Within 300 Ω			
resistance				
Maximum permissible	Between +/- terminals: 60 Vp-p			
input voltage	Between each input channel and GND: 60 Vp-p Between each input channels: 60 Vp-p			
Withstand voltage		n input channels: 60 Vp-p n input channel and GND: 1 minute	at 350 Vn-n	
vviilistanu voitage		Between each input channels: 1 minute at 350 Vp-p		
Insulation resistance	Between each input channel and GND: 50 MΩ or above (at 500 VDC)			
Common mode rejection	At least 90 dB (50/60 Hz; signal source 300 Ω or less)			
ratio				
Noise	At least 48 dB (with +/- terminals shorted)			
Filter	Off, 2, 5, 10, 20, 40			
	Filter operation is on a moving average basis.			
	The average value of the set sampling count is used.			