

Cat.No.8152-50

## EM Digital Panel Meter

Model

### SK-EM-01



Digital panel meter with easy-to-read large bright LED display (height of character: 20mm).  
Compact (DIN) size: 48×96mm  
Multiple inputs: Selectable thermocouple, RTD and voltage inputs.

### Features

- Easy-to-read large bright LED display (height of character: 20mm)
- Multiple inputs: Thermocouple, RTD and voltage
- Compact (DIN ) size: 48×96mm
- Suitable to connect with SK-8200 infrared thermometer and SK-RHC series transmitters.
- Conform to RoHS directives

### Specifications

Display	7 segment LED (height of character: 20mm)
Resolution	Refer to the table below
Power requirements	100 to 240V AC $\pm 10\%$ (50/60Hz)
Power consumption	11VA (100 to 240V AC)
Mounting	Push-in panel (One-touch mount)
Operating ambient	Temperature: -10°C to 50°C, Humidity: lower than 90%rh (No condensing), Max. elevation: 2000m
Display accuracy	$\pm (0.3\%FS + 1\text{digit})$ within measuring range Thermocouple input: excluding cold junction temperature compensation accuracy. Thermocouple B: $\pm 5\%FS$ at lower than 400°C Thermocouple T,U: $\pm 0.5\%FS$ at -100°C to 0°C $\pm 1\%FS$ at lower than -100°C

Insulation resistance	Between input/output terminal-power terminal: more than 500VDC 20MΩ Between input/output terminal-earth terminal: more than 500VDC 20MΩ
Dimensions/weight	(W)96 × (H)48 × (D)111mm (inside100mm) approx. 250g

Table on Measuring range and codes

Input		Code	Range(°C)	Range(°F)	Remarks
Multiple input (*1)	B	01	0 to 1800	0 to 3300	*2
	R	02	0 to 1700	0 to 3100	
	S	03	0 to 1700	0 to 3100	
	K	04	-199.9 to 800.0	-300 to 1500	
		05	0 to 1200	0 to 2200	
	E	06	0 to 700	0 to 1300	
	J	07	0 to 600	0 to 1100	
	T	08	-199.9 to 300.0	-300 to 600	*3
	N	09	0 to 1300	0 to 2300	
	U	10	-199.9 to 300.0	-300 to 600	*3
	L	11	0 to 600	0 to 1100	
	WRe5-26	12	0 to 2300	0 to 4200	
	R.T.D.	31	-199.9 to 600.0	-300 to 1100	*4
		32	-100.0 to 100.0	-150.0 to 200.0	
		33	-199.9 to 500.0	-300 to 1000	*4
		34	-100.0 to 100.0	-150.0 to 200.0	
	Voltage	71	0 to 10mV	0.0 to 100.0 Scaling possible. Scaling setting range : -1999 to 9999Unit Span : 10 to 10000Unit	
		81	0 to 5V		
		82	1 to 5V		

0 to 83  
10V

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- \*1 Factory setting: K thermocouple (code 05: 0 to 1200°C)
- \*2 Accuracy of B thermocouple at lower than 400°C:  $\pm\%$ FS
- \*3 Accuracy of T, U thermocouple at -100 to 0°C:  $\pm 0.5\%$ FS  
at lower than -100 :  $\pm 1\%$ FS
- \*4 Scale over occurs at at -240.0 at Pt (code 31) or JPt (code 33)