General Specifications

STRAIN GAUGE CONVERTER

This instrument converts to DC current or voltage as receiving signal of load cell or strain gauge as input.

It actualizes a high accurate performance that residual magnetic voltage selects constant voltage, the amplifier circuit is low-noise type.

SPECIFICATIONS

ITEMS	*DESCRIPTIONS*		
LOAD CELL TO BE COMBINED	*Bridge Resistance 350Ω or more rated output Voltage 2mV/V and others*		
APPLIED VOLTAGE	*DC 10V (Standard)*		
OUTPUT	*DC 4~20mA, 0~1V, 0~10V, 0~5V, 1~5V, 0~2V*		
ACCURACY	*± 0.2% Max.*		
TEMP. COEFFICIENT	*± 0.02% / ℃*		
LINEARITY	*± 0.02% F.S*		
REPEATABILITY	*± 0.05% F.S*		
RESPONSE TIME	*Less than 0.5Sec (0-90%)*		
INSULATION RESISTANCE	*Greather than 100MΩ at DC 500V*		
DIRECTRIC-STRENGTH	*Input-Power*	*AC1,500V*	*1 minute*
	Input-Output	*AC1,500V*	
	Input-Ground	*AC1,500V*	
POWER SUPPLY	*AC110V AC220V ± 10% 50-60Hz 4VA*		
AMBIENT-TEMP	*-5~+55℃ (20~130℉)*		
HUMIDITY	*Less than 90% RH (no condensation)*		
LINEARLIZER	*Standard function*		
CASE MATERIAL	*ABS*		
COLOR	*MUNSELL No. 7.5YR 5/2*		
WEIGHT	*About 500g*		
DIMENSION	*W50 x H80 x D123mm*		
MOUNTING	*WALL or DIN Rail*		
OUTPUT LOAD RESISTANCE	*Refer to Attached Technical Sheet.*		

ORDERING CODE

MODEL : D P L S - □ □ □ □ - □

EXT. VOLTAGE
- *1 DC 5V*
- *2 DC 10V*
- *3 Other Voltage*

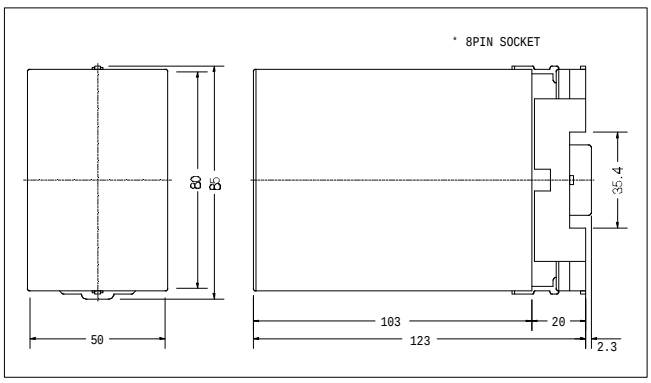
LOAD CELL
- *1 2mV/V*
- *2 Others*

OUTPUT SIGNAL
- *7 DC 4~20mA*
- *C DC 0~1V*
- *D DC 0~10V*
- *E DC 0~5V*
- *F DC 1~5V*
- *G Other Voltage (Less than 12V)*

POWER SUPPLY
- *1 AC 110V 2 AC 220V 3 DC 24V*

I/O ISOLATION
- *G : General Y : Isolation*

DIMENSION



WIRING DIAGRAM