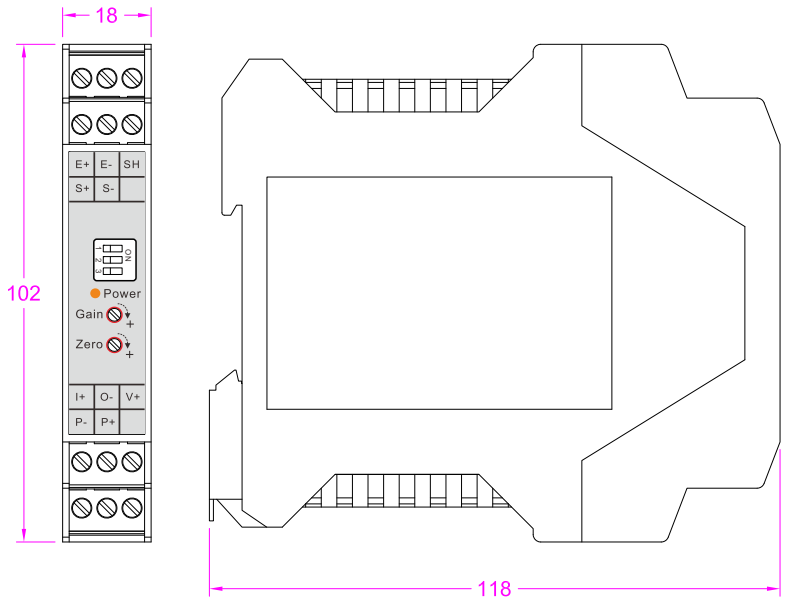
Dimensions in "mm"



Load cell connection			
E+	Excitation+	S+	Signal+
E-	Excitation-	S-	Signal-
SH	Shield		
Power & Output			
P+	Power+	V+	Voltage output+
P-	Power-	I+	Current output+
		O-	Output-

Dip switch	Switch to "ON"
1	Gain x 2, for load cell with low sensitivity
2	Bandwidth adjusted from 3kHz to 100 Hz
3	Reserved function

Ordering code
FSD(-10-10V)
FSD(0-20mA)
FSD(4-20mA)

--- Specifications ---

Function	Turn mV signal into V or mA signal
Accuracy	0.1%
Power supply	12~26 V DC
Power consumption	<1.2W
Isolation voltage	1500V DC
Load cell excitation	5V DC
Applicable load cell sensitivity	1.0~3.0mV/V
Output signal	-10-10V/0-20mA/4-20mA
Bandwidth	100Hz/3kHz
Working temperature	0...+50°C
Relative Humidity	<90% without condensation
Material of enclosure	Plastic(PP)
Ingress protection	IP20
Net weight	≈0.1kg
Mounting	35mm DIN rail

• Subject to change without notice

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Calibration procedures

For -10-10V and 0-20mA output

1-Connect the load cell and power up the amplifier, then check the output signal with a multimeter.
2-Apply “0” load to the sensor, adjust the “Zero” potentiometer until amplifier outputs 0V or 0mA.
3-Apply “rated load” to the sensor, adjust the “Gain” potentiometer until it outputs 10V or 20mA.
You’ll get “0~rated load” VS “0~10V or 0~20mA”

For 4-20mA output

1-Connect the load cell and power up the amplifier, then check the output signal with a multimeter.
2-Apply “0” load to the sensor, adjust the “Zero” potentiometer until amplifier outputs 0mA.
3-Apply “rated load” to the sensor, adjust the “Gain” potentiometer until amplifier outputs 16mA.
4-Apply “0” load to the sensor, adjust the “Zero” potentiometer until amplifier outputs 4mA.
You’ll get “0~rated load” VS “4~20mA”

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