

AC 0-5 AMP Current Transmitter Signal Powered MODEL 20/6SP

Mescon's model 20/6SP is an AC current input transmitter designed for industrial current measurements, generating a precision output signal without the need for an external power supply. The 0-20mA output signal is Input Powered. Hence, the 20/6SP needs no other power source to generate its output.

SPECIFICATIONS:

Input	0-5 Amp AC, 50/60/400 Hz
Output	0-20mA std for 0-5 Amp (4-20mA for 1-5 Amp) 0-1..2..5..10 VDC
Input Protection	to x 10 on input range for 5 sec. to x 2 of input range continuation
Power Consumption	0.8 W at 20mA
Output Load	800 Ω max for 0-20mA
Output Compliance	to 17 VDC max
I/O Isolation	>2000 VDC or peak AC
Accuracy	\pm 0.1% of range
Adjustability	Auto-Zero, \pm 20% of span
Output Ripple	<0.1% of range
Stability	better than 0.01%/ $^{\circ}$ C
Operating Temperature	-20 $^{\circ}$ C to +70 $^{\circ}$ C
Humidity	0-95% RH, non-condensing
Mounting	DIN rail, 35mm

All specifications are subject to change without notice.



FEATURES:

- **Low cost –0.1% accuracy**
- **No power supply needed**
- **High density packaging**
- **DIN rail mounting**
- **2000 Volts isolation**
- **Current or Voltage Output**
- **Output monitoring point**



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Wiring Instructions:

1. Connect the AC current input leads to terminals 1 and 2 (IN).
2. Connect the positive output lead to terminal 4 (+OUT).
3. Connect the negative output lead to terminal 5 (-OUT)

NOTE: To monitor the output without breaking the output current loop connect a digital voltmeter between terminals 5 and 6. An internal 10.0 ohm resistor in series with the Output loop provides a high level 0-200mV signal.

Calibration and Adjustments:

It is assumed that the 20/6SP unit undergoing calibration has been properly ranged at the factory or workshop.

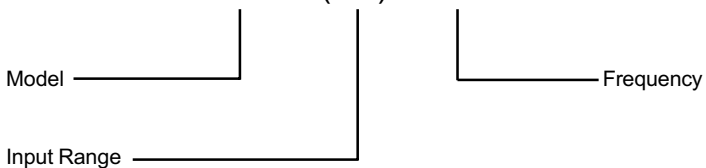
1. Set the 20/6SP input to the desired maximum signal and adjust the SPAN pot until the output maximum signal is set.

Mounting:

The MESTEC 20/6SP is designed for mounting on a standard 35 or 32 mm DIN rail. Simply place the lower rear rail groove into the rail and push the unit onto the rail until it snaps in its place.

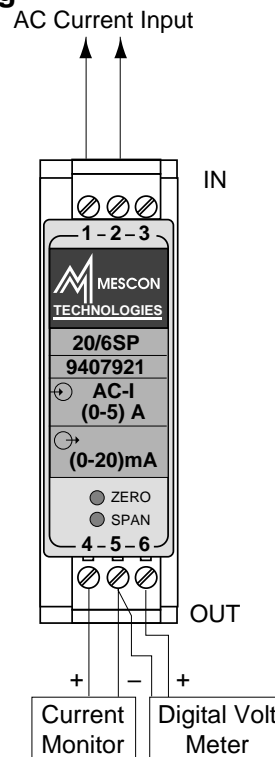
ORDERING INFORMATION

20/6SP - (0-5)A - 60 Hz

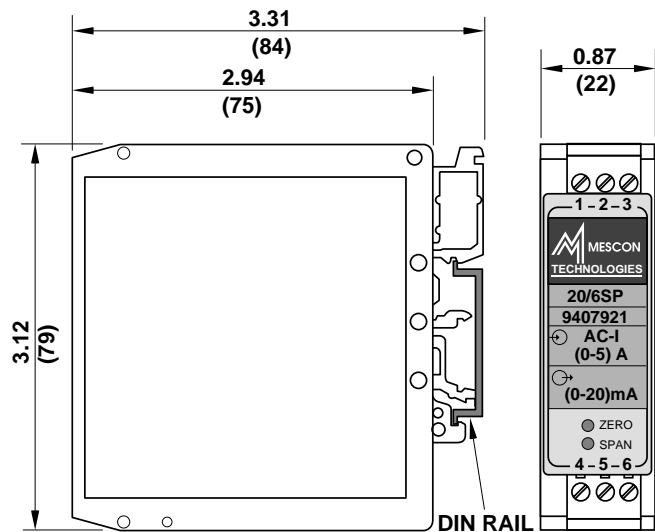


Please request our ordering and calibration diskette describing the balance of Mescon's products.

Wiring Drawing



Dimensions are in inches (mm)



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