



CURRENT TRANSMITTER MODEL 523000

The Model 523 Series A. C. Current Transmitters are transformer-isolated instruments featuring 600 Volt RMS isolation for use in general-purpose instrumentation applications. The transmitter is housed in an all steel enclosure with front adjustable Zero and Span controls. All instruments are factory calibrated for specific input and output requirements. The 523 Series can be supplied with a negative output, and adjustable High and Low Alarm functions may be included in the same package.

TECHNICAL SPECIFICATIONS

INPUT:

0 to 5 Amps A.C. Standard, To 1000 Amps with External Current Transformer (Optional)

FREQUENCY RANGE:

25 to 400 Hz +/- 0.25 dB

INPUT IMPEDANCE:

.01 ohm Shunt 0 to 5 Amps A.C.

ZERO SUPPRESSION:

+/- 100% of Span

SPAN AND ZERO ADJUSTMENT:

+/- 20% of Calibrated Range

ACCURACY:

+/- 0.2% of Span @ 75°

STABILITY AND TEMP. EFFECT:

+/- 0.02% /°F

ISOLATION:

600 Volts RMS

OUTPUTS:

Current Outputs:

0 to 1 MADC into 20K ohms Max. Lim. 5MA
1 to 5MADC into 4000 ohms Max. Lim. 10MA
4 to 20MADC into 1200 ohms Max. Lim. 25MA
10 to 50MADC into 400 ohms Max. Lim. 60MADC

Voltage Outputs: Positive or (Negative Optional)

1 to 5VDC @ 250 ohms, 0 to 1VDC @ 50 ohms
0 to 5VDC @ 250 ohms, 0 to 10VDC @ 500 ohms

OUTPUT RIPPLE:

3.0 MVRMS Maximum

POWER REQUIREMENTS:

117VAC +/- 10% 50/60 Hz 5 Watts
230VAC +/- 10% 50/60 Hz 5 Watts (Optional)

SHIPPING WEIGHT:

5 lbs. Packed for shipping

SIZE:

3" Wide, 5.5" High, 4.31" Depth

ISOLATED A.C. CURRENT TRANSMITTER



Model 523000
(Shown with optional alarms)

OPTIONS

Integral High-Low Alarms
Negative Output Current or Voltage
230VAC 50/60Hz Power

FEATURES

16 Gauge All Steel Housing
Negative Output Signals
1/2" Conduit Openings
+/- 0.2% Overall Accuracy
600 Volt/RMS Isolation

STANDARD MODELS

523000 -Basic Transmitter
523121 -Transmitter w/High Alarm
523111 -Transmitter w/Low Alarm
523231 -Transmitter w/High-Low Alarm

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