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

**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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