

IPM-100 INDUSTRIAL PROCESS CONTROL LOOP CALIBRATOR

TYPE: CONTROL LOOP CALIBRATOR

INSTRUMENT



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PARAMETER	VALUE
Ranges	0.00 mA to 24.00 mA and –25.0% to 125.0% of 4mA to 20mA
Accuracy	± (0.08% of 24 mA span+0.01 mA) =0.03 mA
Temperature effect	0.01% per °C between –2 °C and45°C
Warm-up time	10 seconds to specified accuracy; 2 minutes to maximum accuracy
Overload protection	120 V AC/DC for 30 seconds
Operating conditions	–20 °C to 55 °C (–4 °F to 131 °F), 10% to 90% relative humidity, Without condensation, for 24 hours Indoor use only
Storage conditions	–20 °C to 55 °C (–4 °F to 131 °F), 10% to 90% relative humidity, without Condensation, for 24 hours Remove battery
Battery	Two 9-volt batteries (NEDA 1604, JIS 006P OR IEC 6F22)

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Source	Typical Drive Capability	700 Ω @ 20.00 mA with fresh batteries 300 Ω @ 20.00 mA with low batteries
	Compliance Voltage	Nominal 14 VDC @ 20 mA with fresh batteries
Read	Voltage Burden	0.9 VDC @ 4 mA, 1.2 VDC @ 20mA, 1.9 VDC @ 24 mA excitation current

Automatic Power-Off: After 30 minutes of inactivity

APPLICATIONS:

- Used to calibrate, check and measure all current signal instruments in a 4mA to 20mA dc loop.
- Used to simulate a 2-wire transmitter.

CODE: DSE00C00IPM-1000010

MANUAL NO. :10