QPC Instruments Inc.
Serving the Coatings Industry Since 1983

Process Calibrator

MODEL: Prova 123

Features

- 4-20mA (1KΩ load, 24V loop supply)
- 0-100.00mV, 0-1.0000V, 0-12.000V
- K, J, E, T Thermocouples (°C and °F)
- Frequency 1-62500Hz
- 0.025% Basic Accuracy
- Easy Key-pad Operation
- Easy Step and Auto Ramp Functions
- 0-20mA, 0-24mA selectable
- 1-100% Input (mA, mV, V)
- Beeper Warning when Output is Open (mA)

#135-Prova-123

General Specifications:

Battery Type: 9V Alkaline battery
Display: 4 x 5 Digits
Operating Temperature: 0 to 50°C (32 to 122°F)
Operating Humidity: less than 85% relative
Storage Temperature: -20 to 60°C (-4 to 140°F)
Storage Humidity: less than 85% relative
Dimension: 88 x 168 x 26mm (3.46" x 6.61" x 1.03")
Weight: 330g / 11.63 oz.
Kit Includes: Carrying case, User manual, K type thermocouple connector, External Battery Pack (without batteries),
9V Battery, Test leads,
Alligator clip

Specifications

Electrical Specifications (23°C ±5°C, 3 minutes after power is on)

mA DC Current (1KΩMax. Load, 24V Loop Supply)

Range	Resolution	Accuracy
4-20 mA, 0-20mA, 0-24mA	1µA	±0.025% ±3µA

*Beeper warning when output is open and specified current output > 1mA

mV, V DC Voltage (1mA Supply Current)

Range	Resolution	Accuracy
0 - 100.00mV	10µV	±0.05% ±30µV
0 - 10.000V	1mV	±0.05% ±3mV
0 - 10000V	100µV	±0.05% ±300µV

*Beeper warning when output is short and specified voltage output > 10mV

K, J, E, T type Thermocouples (1°C, 1°F Resolution, 1kΩ Load Min.)

Range	Accuracy	Range	Accuracy
K: -200 to 0°C	±1.1°C	K: -328 to 32°F	±2.0°F
K: 0 to 1370°C	±0.8°C	K: 32 to 2400°F	±1.5°F
J: -100 to 0°C	±0.9°C	J: -148 to 32°F	±1.6°F
J: 0 to 760°C	±0.7°C	J: 32 to 1400°F	±1.2°F
E: -100 to 0°C	±0.9°C	E: -148 to 32°F	±1.6°F
E: 0 to 700°C	±0.7°C	E: 32 to 1292°F	±1.2°F
T: -200 to 0°C	±1.0°C	T: -328 to 32°F	±1.8°F
T: 0 to 400°C	±0.8°C	T: 32 to 752°F	±1.5°F

Frequency (1 - 125Hz, 1KΩ Load Min.)

Range	Resolution	Accuracy
1 - 125Hz	1Hz	±0.04Hz

604 Avaliable frequencies (126-62 500Hz, 1KΩ Load Min. ± 0.01% ±0.04Hz