

GPS

925



The multifunction process calibrator provides a set of features unmatched by high accuracy, handheld calibrators in its price range

The GPS-925 provides the functions and accuracy associated with fixed-installation laboratory instruments and provides everything required for virtually any calibration task. Measure and source thermocouples, RTDs, current, voltage, frequency and source pulse trains. Arrow keys with direct numeric entry plus a large backlit, menu-driven graphics display combine to provide a highly intuitive yet simply powerful operator interface.

These are just some of the features that make the GPS-925 the single most indispensable tool available for practically any calibration task. The unit is also supplied with a tough carrying case for more rugged applications.

Key Features

- Isolated mA/V read-back circuit for complete transmitter calibration
- Built in 24V supply can drive 4-20 mA loops up to 1000Ohms
- Source modes can be programmed with dedicated setpoints
- Highest accuracy in class to 0.02% of reading
- Store frequently used test setups for later use
- Backlight lets you work in poorly lit conditions
- Perform fast linearity tests with auto setup and auto ramp feature
- CE certified and designed to IEC1010 safety standards
- Super strong protection IP67

Technical Specifications

Function Measure of Source	Range	Resolution	Accuracy % Reading ±counts	Notes
Voltage	0 to 100mV (Source) 0 to 10V (Source)	0.001mV 0.0001V	0.02% ± 2 0.02% ± 2	Max. load current 1mA
	0 to 100mV (Measure) 0 to 20V (Measure)	0.001mV 0.0001V	0.02% ± 2 0.02% ± 2	Max. load current 1mA
mA	0 to 24mA (Source) 0 to 24mA (Measure)	0.0001mA 0.0001mA	0.02% ± 2 0.02% ± 2	Max. load 800Ω
Resistance	0 to 3200Ω (Source) 5 to 3200Ω (Measure)	0.01 to 0.1Ω 0.01 to 0.1Ω	0.02% ± 0.5Ω 0.02% ± 0.5Ω	Excitation current 0.05mA
Frequency	1Hz to 20.0KHz (Source) 1Hz to 100.0KHz (Measure)	0.1Hz / 0.01KHz 0.01Hz / 0.1KHz	0.02% ± 2 0.02% ± 2	
Loop supply	24V DC	n/a	10%	Max. Load current 24mA
Thermocouple	J, K, T, E, N, R, S, B	0.1° 1°	to 0.8° to 2.4°	
RTDs	Pt100, Pt1000 Cu50, Cu100	0.01° to 0.1°	to 0.8°	

Standard Accessories
Carrying case

Battery
Internal lithium rechargeable battery, 9600mAh / 8.4V

Display
42mm x 29mm LCM, LED backlight, 99999 resolution

EMC
EN:61326-1:1997 + A1:1998 + A2:2001

Safety
EN61010:2001

General Specifications

Part Numbers / Optional Accessories		
Code	Item	Part Number
GPS-925	High precision multi-function process calibrator	800600

Dimensions
105 x 200 x 50mm / 4 x 8 x 2" (w x d x h) approx.

Mass
0.5kg/1.1lbs approx.

Operating
-10°C~55°C
90%RH up to 30°C
75%RH up to 40°C
45%RH up to 50°C

Services
1-year warranty (subject to product registration with GPS Ltd)

Visit www.gpslimited.com/register-product
Service and calibration available.

Please contact for more information

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