

GPS-925



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 0.01% 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

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.

Technical Specifications

Function	Range	Resolution	Accuracy	Notes
Measure of Source			% Reading \pm counts	
Voltage	0 to 100mV (Source)	0.001mV	0.01% \pm 2	Max. load current 1mA Max. load current 1mA
	0 to 10V (Source)	0.0001V	0.01% \pm 2	
	0 to 100mV (Measure)	0.001mV	0.01% \pm 2	
	0 to 20V (Measure)	0.0001V	0.01% \pm 2	
mA	0 to 24mA (Source)	0.0001mA	0.01% \pm 2	Max. load 800 Ω
	0 to 24mA (Measure)	0.0001mA	0.01% \pm 2	
Resistance	0 to 3200 Ω (Source)	0.01 to 0.1 Ω	0.01% \pm 0.5 Ω	Excitation current 0.05mA
	5 to 3200 Ω (Measure)	0.01 to 0.1 Ω	0.01% \pm 0.5 Ω	
Frequency	1Hz to 15.0KHz (Source)	0.1Hz / 0.01KHz	0.01% \pm 2	
	1Hz to 15.0KHz (Measure)	0.01Hz / 0.1KHz	0.01% \pm 2	
Loop supply	24V DC	n/a	10%	Max. Load current 24mA
Thermocouple	J, K, T, E, L, U, N,	0.1 $^{\circ}$	to 0.8 $^{\circ}$	
	R, S, B	1 $^{\circ}$	to 2.4 $^{\circ}$	
RTDs	Pt100, Pt200, Pt500,	0.01 $^{\circ}$ to 0.1 $^{\circ}$	to 0.8 $^{\circ}$	
	Pt1000			
	Cu50, Cu100			

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 $^{\circ}$ C--55 $^{\circ}$ C
90%RH up to 30 $^{\circ}$ C
75%RH up to 40 $^{\circ}$ C
45%RH up to 50 $^{\circ}$ 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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