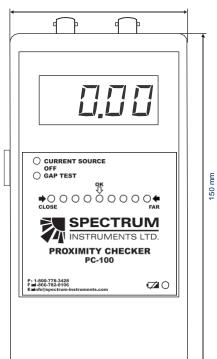
## **PC-100**

## **Proximity Probe Checker**

## **Features**

- Proximity probe GAP checker
- Current sensor simulator
- Easy-to-use
- LCD displays measurement voltage
- LED's indicate sensor GAP optimum position
- Spent battery indicator







## **Description**

The Model PC-100 is a battery powered, easy-to-operate instrument that is used to check the GAP of proximity probes. The integral front-of-panel LED bar graph replicates the relative gap position as adjustments to the probe position are being made. The GAP voltage is displayed on the LCD screen for improved accuracy. The PC-100 can also be used to simulate any current sensor – the fixed current output setting makes it an ideal instrument for a quick check of any process control loop.

Power is supplied from one 9V alkaline internally mounted battery. LED indication of a low battery condition is also provided.

Function Mode is selectable via a slide switch mounted on the left side of the instrument. There is also a visual identification of the selected mode on the front panel. When the slide switch is in the middle position, the device is turned off.

In the *GAP TEST* mode, the PC-100 measures the GAP voltage on proximity probe. The measured voltage is displayed on the LCD screen and on LED diodes which indicate the relative position of the proximity probe. The PC-100 simplifies the installation and set-up of any proximity probe - as the probe GAP is adjusted, the LED bar graph provides instantaneous feedback until the optimum GAP ("OK") is reached.

In the *CURRENT SOURCE* mode, the instrument produces a fixed current of 12mA (i.e. 50% of traditional 4-20ma instrument signal). The integrated current loop regulator is designed to work with 24VDC loop powered circuits. In this mode, the PC-100 provides a quick means of checking the integrity of most 4-20ma process control loops.

<u>SPECIFICATION</u>	
Output Type	Proximity sensor input Current loop output
Signal Generation	
Amplitude	12 ma
DC current accuracy	+/-5%
Environmental	
Temperature	
Operating:	-10 deg C to +65 deg C
Storage:	-18 deg C to +65 deg C
Humidity	95% R.H. maximum
Power	1 x 9V Alkaline Battery, provides:
	>8 hr capacity in GAP mode
	>20 hr in current source mode
Physical	
Dimensions	150 mm x 80 mm x 30 mm
Weight	0.5 kg typical
Case	molded plastic case
Connections:	GAP, Current loop – BNC's
PC-100 includes:	$1 \times PC-100$ ; $1 \times 9V$ battery, $1 \times BNC$ to fly-end interface cable, operator's manual
Note: technical specifications may be changed without notice.	