

PC-100 Proximity Probe Checker



Features

- Proximity Probe GAP checker
- 2 wires Loop powered constant current DC source
- Easy to use
- LCD display for reading measured GAP voltage
- LED Bar indicator for proximity probe distance
- Slide switch for operating mode selection
- Empty Battery Detection

Description

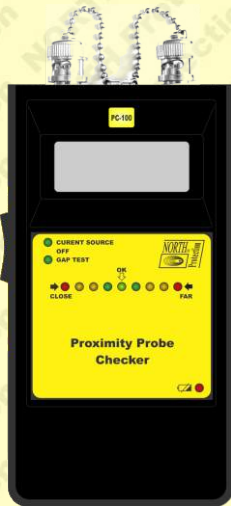
PC-100 is a battery operated, easy to use instrument that is used to check proximity probe GAP which is indicated on LED bar integrated on top panel. There is also an LCD display for reading GAP voltage for better accuracy. PC-100 also can be used as 2 wires lopp powered DC constant current source of 12.0 mA.

Power is supplied from one internally mounted 9V Alkaline battery. There is also a LED indication of Low Battery state.

Operating modes can be selected by a slide switch mounted on the left side. There is also a visual identification of the selected mode placed on the top panel. In the middle position of the slide switch, device is Off.

In GAP TEST mode, PC-100 is measuring a GAP voltage on Proximity Probe Proximator's buffered output. Measured voltage is displayed on LCD screen and on LED bar, which indicates position of proximity probe. This system enables easy adjusting of proximity probe position using LED bar indicator. It is especially designed for fast check and adjustment of proximity probes positions in monitoring systems. It also helps the operator to adjust proximity probe optimal position and/or to get information about distance between proximity probe and the shaft.

In CURRENT SOURCE mode, the instrument produces constant current of 12.0 mA DC. It is designed to simulate 2 wires Loop powered constant current transmitters, which requires external power supply of 18 ... 30V DC.



Specifications

Inputs - Outputs

GAP Input	Proximity probe input (Proximator buffered output)
mA Out	2 wires Loop powered DC constant current output

Signal Generation

Constant current	12.0 mA, DC
Current accuracy	±0.5%

Environmental Characteristics

Temperature	
Operating	-10°C to +55°C
Storage	-18°C to +55°C
Humidity	95% R.H. maximum

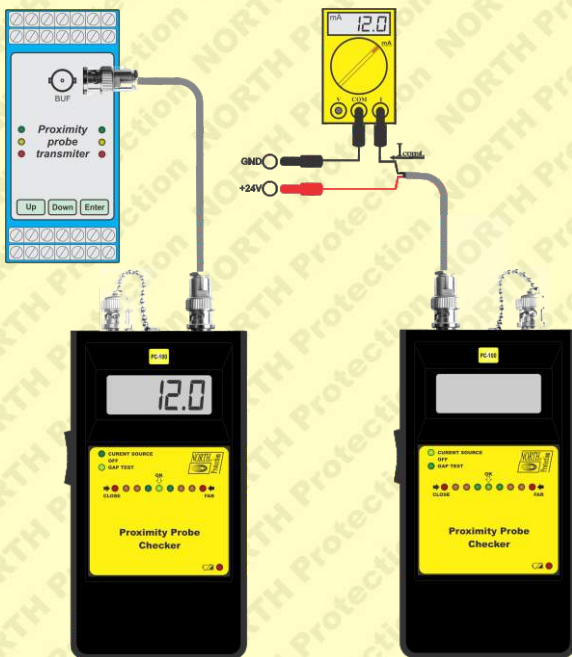
Power

Battery	1 x 9V Alkaline Battery (6LR61)
Autonomy	> 8h, GAP TEST mode >20h, CURRENT SOURCE mode

Physical Characteristics

Dimension	169mm x 80mm x 30mm
Weight	0.5 kg typical
Case	ABS molded plastic
Connectors	BNC

Application Note



GAP Test Mode

Current Source Mode

NOTE: All technical data can be changed without notice.