

EUROLEC INSTRUMENTATION LTD.

PR SERIES PORTABLE MANOMETER

OPERATING INSTRUCTIONS



Battery Fitting

Open the Battery compartment, by removing the two screws from the bottom of the Instrument and lifting off the cover. Insert one 9 Volt battery PP3 style (MN 1604 or equivalent), with terminals facing down. The orientation of the battery is not important; the instrument will work with the battery fitted either way. Refit the battery compartment cover

NOTE:


- The PR series of manometers are only suitable for use with non-corrosive, non-ionic liquids and gases.
- Operating & media temperature range - 0 to 50°C.
- Do not over tighten the pressure port fittings.
- For the PR204A absolute manometer, a reference atmospheric reading is required.

Operation:

Depress the button marked  to turn the Instrument ON and the button marked  to turn it OFF.

Allow reading to stabilise, then set the manometer to zero by pressing and holding the zero adjust button, marked **0.0**, for approx 3 seconds. The display should show **OFF** to indicate a zero offset has been applied.

For best results, apply a positive pressure to the **+** pressure port and a negative pressure to the **-** pressure port, allow to stabilise.

There is a backlight facility for low light areas. It is operated by pressing the backlight button . This should last approx 5 seconds.

There is an auto shut -off facility, which will turn the instrument off automatically after approx. 3 minutes.

Do Not Over Pressure -refer to the table below for max pressure limits.

Pressure Range (mBar)	20	100	500	1000	2000	7000
Max. Over Pressure (mBar)	250	750	2000	2000	4000	10000

When the battery symbol appears on the display, the battery needs replacing. Fit new battery, as per instructions above, before taking any further readings.

If the “Err” message is shown on the display, then there is over pressure applied or the sensor has been damaged.

Environmental Specification:

Standard instruments are designed to be splash proof (IP64). All models can be supplied as waterproof (IP67) as an optional extra.

Warranty

This instrument has been carefully assembled and tested, and is warranted against faulty workmanship and materials for 2 years from the date of purchase. During the warranty period any defective instrument will be repaired or replaced at the discretion of the manufacturer. This warranty does not cover damage or failure resulting from misuse or accident. Modification, adjustment or any alteration with the internal arrangement of the instrument shall absolve the manufacturer from any liability in respect of the instrument.

Any instrument to be repaired should be forwarded to the manufacturer, carriage paid and at the owner’s risk. A brief description of the fault should be included.

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Please see other Pressure & Temperature instruments on the Eurolec web site
www.eurolec-instruments.com