

# EUROLEC INSTRUMENTATION LTD.

## LPMV Series PROCESS MANOMETERS

### OPERATING INSTRUCTIONS

\*\*\*\*\*


- The LPMV series of alarm manometers are only suitable for use with non-corrosive, non-ionic liquids and gases.
- For the LPMV-ABS absolute process manometer, a reference atmospheric reading is required.
- Do not over tighten the pressure port fittings.

The C21 Indicator / Alarm for the LPMV Series operates from a mains supply of 90 - 250VAC 47-63Hz, an operating manual for this model is included.

#### Connection information:


C21 pin No.	Description	Colour
1	Mains live	
2	Mains neutral	
3	+12V sensor supply	Orange
4	0V sensor supply	Blue
9	V+ sensor output	Pink
10	V- sensor output	Purple
5 & 6	Alarm relay max.2A/240V	

#### Operation:

To scroll through the menu options, SP1, SHiF, press the scroll button  (the button on the left hand side) on the C21 indicator, then pressing the up ▲ or the down ▼ arrow buttons to increase or decrease their values.

For all differential pressure versions, with no pressure applied to either port the reading on the indicator should read zero. If there is an offset, then increase or decrease the value of SHiF on the C21, by this amount, to correct the display reading.

Apply a positive pressure to the + pressure port or a negative pressure to the - pressure port and allow to stabilise.

The alarm limit is set by changing the value of SP1 on the C21. The alarm type can be changed from a “high alarm” to a “low alarm”, by changing the OUT1 setting, on C21 program menu, from dirt (direct) to revr (reverse). Press and hold the scroll button  for 3 seconds to access the program menu.

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

Model No.	Max. Over Pressure
LPMV1	250 mBar
LPMV2	750 mBar
LPMV3	2000 mBar
LPMV4	2000 mBar
LPMV5	10 Bar
LPMV-ABS	4000 mBar

Environmental Specification:

The pressure module and the front panel of the C21 are rated to IP65.

Warranty

This instrument has been carefully assembled and tested, and is warranted against faulty workmanship and materials for 24 months 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.

\*\*\*\*\*

Eurolec Instrumentation Ltd.

Technology House, Cluan Enda, Dundalk, Co. Louth, Ireland.

Tel: +353 (0) 42 9333423, Fax: +353 (0) 42 9331758,

E-mail: [eurolec@esatclear.ie](mailto:eurolec@esatclear.ie)

[www.eurolec-instruments.com](http://www.eurolec-instruments.com)