



## INTELLIGENT LOOP POWERED INDICATOR BLPM4NS/Y

(LED-Indication DIN size 24 x 48 and 36 x 72mm)

- Loop powered 4-20mA
- Panel mounted 24 x 48mm
- Panel mounted 36 x 72mm
- Programmable damping
- 4-digit LED-display
- 0.1% accuracy
- Low cost

### DESCRIPTION

The BLPM4NS is a 4 digit 9.5mm LED indicator designed for compactness providing an optimal ratio of digit size and front dimensions 48 x 24mm. The total depth is only 48mm which allows this indicator to be mounted into J-boxes or other small enclosures. The BLPM4N4Y have front dimensions of 72 x 36 mm. The LED indicator is powered by the 4-20mA signal and provides adequate brightness in factory and control room locations but is not suitable for use in sunlight. The case is fully enclosed and has screw terminals suitable for fork connectors up to 7mm across. The meter can be scaled on site using a pen to press the recessed buttons. The scaling buttons can be locked.

### SPECIFICATIONS GENERAL

|                    |   |
|--------------------|---|
| Input              | : 4-20mA  |
| Loop voltage drop: | < 1V  |
| Input resistance   | : 10Ω   |
| Display range      | : 4 digit -1999 to 9999   |
| Accuracy           | : 0.1% of full scale  |
| Ambient temp       | : -10 to 65°C   |
| Humidity           | : 5 to 95% non-condensing   |
| Display            | : LED 4-digit, height 9,5mm                                       |
| Power supply       | : Powered by 4 to 20mA loop                                       |
| Weight             | : 46g   |
| Case dimensions    | : 24mm (H) x 48mm (W) x 53,5mm (D)<br>36mm (H) x 72mm (W) BLPM4NY |
| EMC                | : EN 50081-1, EN 50082-2,<br>73/23/EEC & 89/336/EEC               |



### ORDER INFORMATION

BLPM4NS 48 x 24 mm  
BLPM4NY 72 x 36 mm



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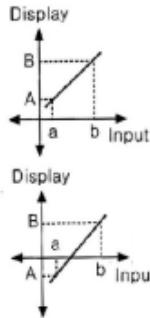
## Front Panel Identification

1. Display.
2. MD Key.
3. Up key.
4. Move key.



## Pre-scale Function

This is to display the value with settings containing Hi/Low limit values against 4-20mA input. For example a = 4mA<sub>dc</sub>, b = 20mA<sub>dc</sub> and A, B are the display values.



## Display Cycle

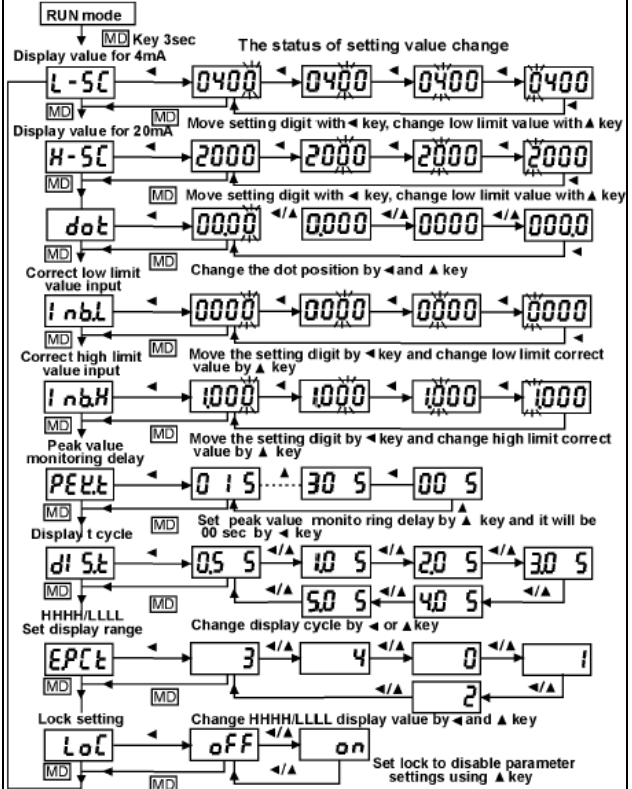
For fluctuating signals select time that input is averaged 0.5, 1, 2, 3, 4 or 5 Seconds

## Error Display Function

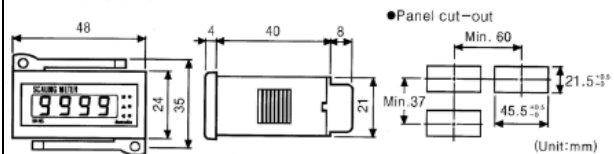
Display flickers LLLL (or HHHH) if input is y% of range lower than min range value (or higher than max range value). Set y to 0, 1, 2, or 3. If set to 4, display will clip at L-SC or H-SC if outside range.

## Parameter Settings

- Press MD key to complete the setting and move to next parameter.
- Press MD key for 3 sec to move to RUN mode after displaying RUN
- If no key is pressed for 60 sec it will return to RUN mode.



## Dimensions



## Peak Display Monitoring

Set to 00 5 to disable, to start peak recording set to n Seconds  
 To recall high peak value: MD select PEEL then ← to read.  
 Press MD to return to run mode or ← again to reset  
 To recall low peak value: MD select PEEL then ← to read  
 Press MD to return to run mode or ← again to reset