



# Digital Panel Meter From IMA

## Breeze Display Series 10



### /// Key Features

- a variety of inputs
- optional remote control
- large 13 mm high display
- RS-485/Modbus RTU communications



## /// Cost Effective Reliability

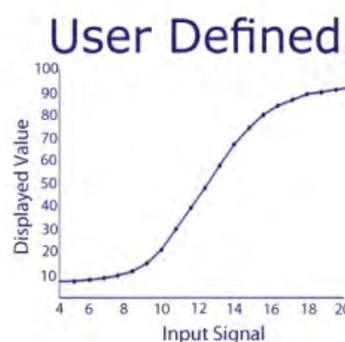
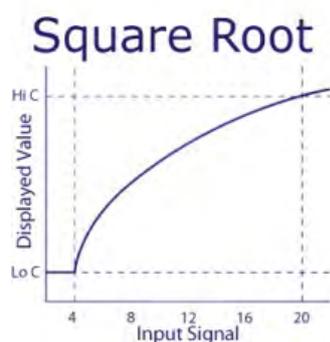
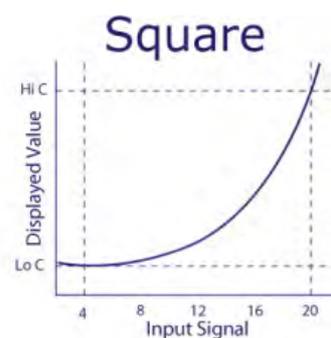
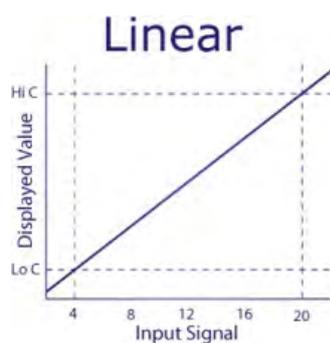
With easily programmable measuring ranges, the **Breeze Series 10** digital panel meter offers a low cost, high reliability, solution. Inputs include current, voltage or Modbus. Measurement ranges and alarm set points are user programmable via Modbus or via an optional remote control. User adjustable hysteresis avoids alarm chatter, and variable delays for relay activation and de-activation, and a peak hold facility make the **Breeze 10** a low cost solution for many measurement needs.



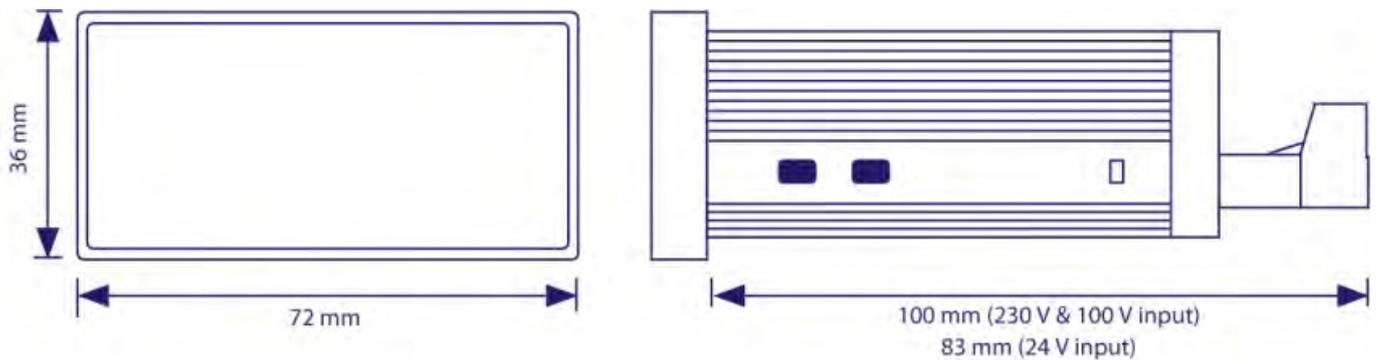
## /// More Features

- variable display brightness
- peak hold facility
- linear & non-linear inputs (up to 21 point linearisation)

## /// A Variety of Input Signal Conversions



## /// Dimensions



## /// Specifications

ELECTRICAL	
Power supply	230 VAC 10 % 50/60 Hz max. 1.5 VA or 110 VAC or 24 VDC
Display	LED, Red, 4 x 13 mm (IP40)
Inputs	0 to 20 mA, 4 to 20 mA Or 0 to 5 V, 0 to 10 V, 1 to 5 V, 2 to 10 V
Measuring range	-999 to 9999 plus decimal point
Accuracy	± 0.25 % ± one digit in the entire range
Outputs (when fitted)	1 or 2 threshold relays 1 A at 250 VAC
Communications	RS-485, 8N1, 1200 bit/s to 115200 bit/s, Modbus RTU (not galvanically isolated)
MECHANICAL	
Operational temperature	0 °C to +50 °C
Storage temperature	-10 °C to +70 °C
Protection class	IP40 front and side IP20 case and connection clips
Panel cut-out	67 W x 32.5 H mm
Case dimensions	72 W x 36 H x 77 D mm (24 V input) 72 W x 32 H x 77 D mm (24 V input)
Panel plate depth	Up to 5 mm
Installation depth	103 mm minimum (230 V input) 86 mm minimum (24 V input)

## Input option 1 or 2

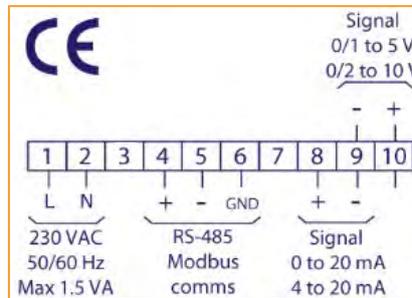
Current inputs of either 0 to 20 mA or 4 to 20 mA may be selected for measurement ranges between -999 to 9999 plus a decimal point.

## Input option 3, 4, 5 or 6

Voltage inputs of either 0 to 5 V, 1 to 5 V, 0 to 10 V, 2 to 10 V may be selected for measurement ranges between -999 to 9999 plus a decimal point.

## Input option 7

Modbus input only. Intended for display data sent via RS-485 where a quick view of critical data is required. For measurement ranges between -999 to 9999 plus a decimal point.



### ORDERING INFORMATION

Breeze Series 10 panel mounting meter comprising: red 4 x 13 mm LED

<b>Breeze 10</b>	1		0 to 20 mA input
	2		4 to 20 mA input
	3		0 to 5 Volt input
	4		1 to 5 Volt input
	5		0 to 10 Volt input
	6		2 to 10 Volt input
	7		RS-485 Modbus input only (output relays not available option)
		<b>Range Start</b>	
	XX		Beginning of measuring range
		<b>Range End</b>	
	XX		End of measuring range
		<b>Power Supply</b>	
	0		230 VAC
	1		24 VDC
<b>Breeze 10</b>			Optional remote control available Part Number: Breeze RC-1

