

LARGE LED BARGRAPH METER BGL288

Format: 288 x 36 mm

LOREME

- **Process Input:** mA, V (Selectable)
- **Display:** 90 leds ramp, 10 000 pts red display
available in green or yellow colours
- **BGL288:** Single channel with measure display version
- **BGL288-L:** Low-cost, without measure display

The BGL288 is a high-resolution large format digital bargraph which allow rapid appreciation of the measure value and its variation. The digital display provides an accurate reading if necessary.

DESCRIPTION:

Input:

The input is configurable for DC voltage or DC current measurement:

- Current 0..4...20 mA,
 - Voltage : 0..10...20Vdc
- (all scales can be carried out in ranges limits).

Measures:

- Display in engineering unit (custom scale in front face).
- Square root extraction.
- Multi-segments linearization dedicated to sensor correction or for nonlinear display (option).

Front panel:

- LED ramp for measure display: 90 points resolution (two display mode : dot or bar).
- 4 digits led alphanumerical display: 10 000 points resolution (measure and configuration).
- Alarms indication LEDs.
- Three buttons in front face for device configuration (input type, display range, thresholds setting)
(Access locking available via the RS232 serial link).

Relays:

Up to 4 relay outputs which can be used in alarm or ON/OFF regulation mode (input current loop breaking detection). Individual setting of threshold, direction, hysteresis and delay for each relay (on & off delay).

Parameters:

- The device is fully configurable via the front panel or via the serial link
(USB cable available separately).
- Firmware update is possible via the serial link.

Features:

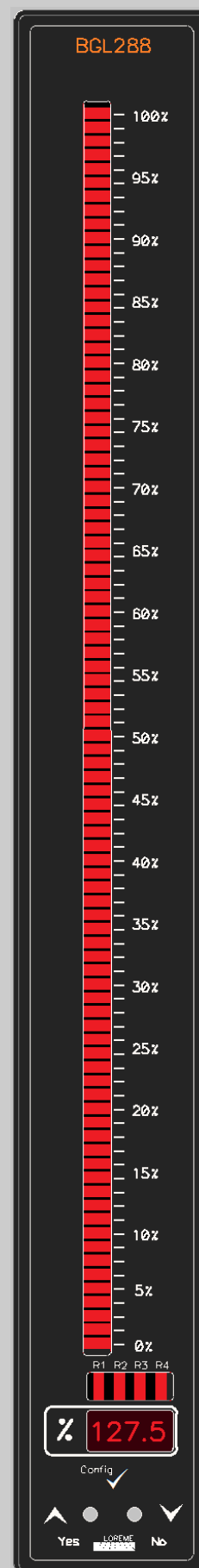
- Panel case : (H x W x D: 288mm x 36mm x 85mm).
- Fastening by clamp.
- Pluggable spring terminals (wire gauge: 1mm² maxi).
- Conformal coating.
- Protection rating IP20.
- 3 ways galvanic isolation input / power supply / relays.
- Universal non polarized AC/DC power supply.
- Setting parameters backup in EEPROM.

Versions and order codes:

BGL288: Single channel with measure display version
BGL288L: without 4 digits measure display (Configurable only via RS232 Link)

OPTIONS:

/R1:	1 relay
/R2:	2 relays
/R3:	3 relays
/R4:	4 relays



INPUT (12 bits resolution)

TYPE	CALIBER	ACCURACY
Voltage	20 V	+/- 0.015 V
Input impedance	100 k Ω	
Current	20 mA	+/- 0.01 mA
Input impedance	100 Ω	

Response time: 125 ms (8 measures per seconds)

RELAYS

Inverter contact - Switching power : 6 A / 250 Vac

POWER SUPPLY

20 à 265 Vac / Vdc, 6 VA
Reverse polarity protection

RECOMMENDED OPERATING CONDITIONS

Temperature: Operating	-15 à +60 °C
Storage	-20 à +85 °C
Influence	0.01% / °C (of full scale)
Relative humidity	85 % (non condensed)
Weight	~ 500g
Tightness	IP20, (IP54 in option)
Dielectric strength	
inputs / power supply / relays	2500 Vrms continuous
MTBF (MIL HDBK 217F)	> 4 000 000 Hrs @ 25°C
Service life	> 200 000 Hrs @ 30°C

Electromagnetic compatibility 2004/108/CE / Low Voltage Directive 2006/95/EC

Immunity standard for industrial environments
EN 61000-6-2Emission standard for industrial environments
EN 61000-6-4

EN 61000-4-2 ESD	EN 61000-4-8 AC MF
EN 61000-4-3 RF	EN 61000-4-9 pulse MF
EN 61000-4-4 EFT	EN 61000-4-11 AC dips
EN 61000-4-5 CWG	EN 61000-4-12 ring wave
EN 61000-4-6 RF	EN 61000-4-29 DC dips

EN 55011
group 1
class A

WIRING AND OUTLINE DIMENSIONS:

