



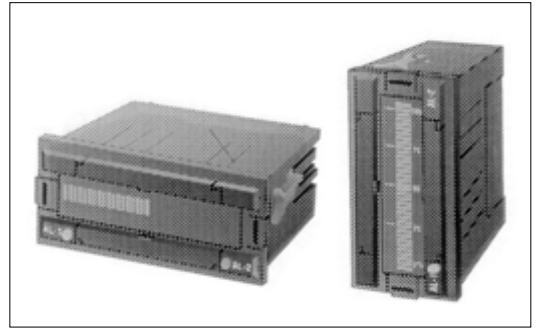
# BG18- 4

## Bar Graph Indicator

### Models P3, P6 and P7

INSTRUCTION SHEET

M2127/1294

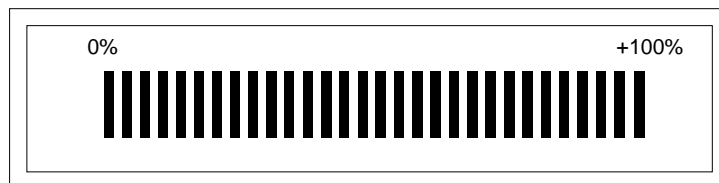


### LED SEGMENTS BARGRAPH INDICATOR WITH UNIPOLAR LEFT SIDE ZERO

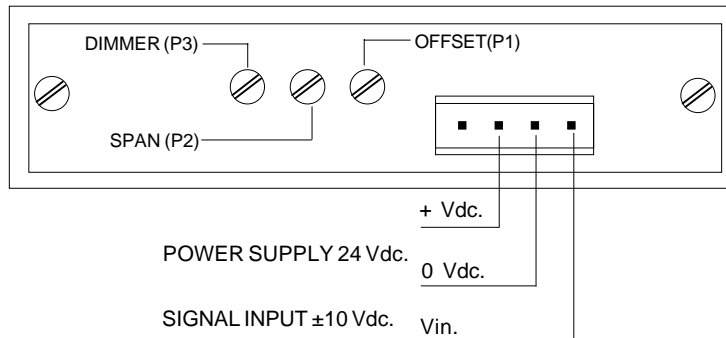
BARGRAPH with 30 bright LED segments.

Available for readings DC VOLTAGE and CURRENT, 0-10 Vdc, 0-20 mA, 4-20 mA full scale, in LED segment format (LED segments are switched ON, in a progressive way).

#### FRONT VIEW



#### REAR VIEW



#### SPECIFICATIONS

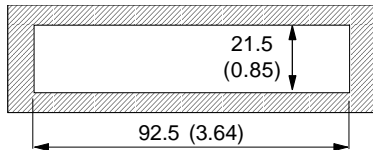
STANDARD POWER .....	16-30 Vdc. (24 Vdc.).
SIGNAL INPUT .....	$\pm 10$ Vdc, 0-20 mA, 4-20 mA.
INPUT RESISTANCE	
Model P3 .....	100 K $\Omega$ .
Model P6 and P7 .....	100 $\Omega$ .
ACCURACY .....	$\pm 1$ LED segment.
BRIGHTNESS CONTROL P3 .....	Adjustable (Dimmer).
SPAN RANGE P2	
Model P3 .....	From $\pm 8$ to $\pm 16$ Vdc. ( $V_{in} \pm 10$ Vdc.).
Model P6 and P7 .....	From -4 to +1 segment.
OFFSET RANGE P1	
Model P3 .....	From +5 to -15 LEDS. ( $V_{in} = 0$ Vdc.).
Model P6 and P7 .....	From -20 to +6 segments.
OPERATING TEMPERATURE .....	0 $^{\circ}$ C to +50 $^{\circ}$ C (32 to 122 $^{\circ}$ F).
STORAGE TEMPERATURE .....	-40 $^{\circ}$ C to +85 $^{\circ}$ C (-40 to 176 $^{\circ}$ F).
WARMUP TO RATED ACCURACY ...	2 minutes.
WEIGHT .....	100 gr. (0.22 lb) (approx.).
ELECTRICAL CONNECTIONS .....	Push IN cable connectors.
POWER CONSUMPTION .....	Min. = 30 mA (Dimmer min.). Max. = 80 mA (Dimmer max.).
DIMENSIONS .....	3.78" x 0.94" (96 x 24) DIN 43700.
CASE MATERIAL .....	ABS, black color.

#### TABLE OF MODELS

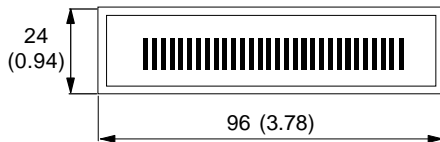
MODEL	INPUT RANGE
BG18-4-P3	0-10 Vdc
BG18-4-P6	0-20 mA
BG18-4-P7	4-20 mA

**MECHANICAL DIMENSIONS, mm (in)**

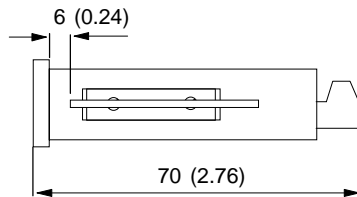
**PANEL CUTOUT**



**CASE DIMENSIONS**



**PANEL MAX. THICKNESS**



**WARRANTY/DISCLAIMER**

OMEGA warrants this unit to be free of defects in materials and workmanship and to give satisfactory service for a period of **13 months** from date of purchase. OMEGA Warranty adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product. If the unit should malfunction, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective it will be repaired or replaced at no charge. However, this WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of being damaged as a result of excessive corrosion; or current; heat; moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components which wear or which are damaged by misuse are not warranted. These include contact points, fuses and triacs.

**OMEGA is pleased to offer suggestions on the use of its various products. However OMEGA neither assumes responsibility for any omissions or errors nor assumes liability for any damages that result from the use of its products in accordance with information provided by OMEGA, either verbal or written. OMEGA only warrants that the parts manufactured by it will be as specified and free of defects. OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED.**

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Direct all warranty and repair requests/inquiries to the OMEGA ENGINEERING Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. P.O. number under which the product was PURCHASED.
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. P.O. number to cover the COST of the repair,
2. Model and serial number of product, and
3. Repair instructions and/or specific problems relative to the product.

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