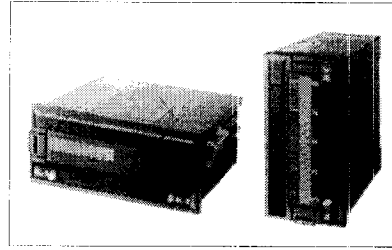




**BG18- 4**  
**Bar Graph Indicator**  
**Models P3, P6 and P7**

INSTRUCTION  
 SHEET

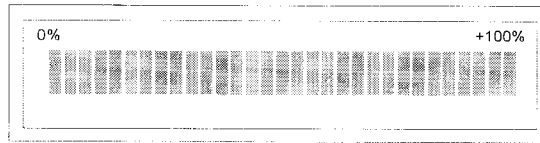
M2127A/0107



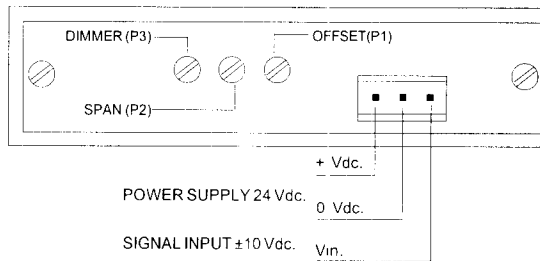
**LED SEGMENTS BARGRAPH INDICATOR WITH UNIPOLAR LEFT SIDE ZERO**

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**

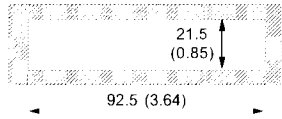
- STANDARD POWER ..... 16-30 Vdc. (24 Vdc.).
- SIGNAL INPUT .....  $\pm 10$  Vdc, 0-20 mA, 4-20 mA.
- INPUT RESISTANCE
  - Model P3 ..... 100 K $\Omega$ .
  - Model P6 and P7 ..... 100  $\Omega$ .
- ACCURACY .....  $\pm 1$  LED segment.
- BRIGHTNESS CONTROL P3 ..... Adjustable (Dimmer).
- SPAN RANGE 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 LEDES. ( $V_{in} = 0$  Vdc.).
  - Model P6 and P7 ..... From -20 to +6 segments.
- OPERATING TEMPERATURE ..... 0 °C to +50 °C (32 to 122 °F).
- STORAGE TEMPERATURE ..... -40 °C to +85 °C (-40 to 176 °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**

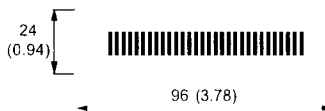
MODEL	INPUT RANGE
BG18-4-P3	0-10 Vdc
BG18-4-P6	0-20 mA
BG18-4-P7	4-20 mA

**MECHANICAL DIMENSIONS, mm (in)**

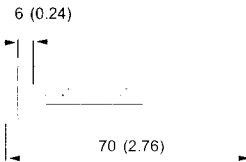
**PANEL CUTOUT**



**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 traces.

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**CONDITIONS:** Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a "Basic Component" under 10 CFR 21 (NRC), used in or with any nuclear installation or activity; or (2) in medical applications or used on humans. Should any Product(s) be used in or with any nuclear installation or activity, medical application, used in humans, or misused in any way, OMEGA assumes no responsibility as set forth in our basic WARRANTY/DISCLAIMER language, and, additionally, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.



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 Customer Service: 1-800-622-2378 / 1-800-622-BEST<sup>SM</sup>  
 Engineering Service: 1-800-872-9436 / 1-800-USA-WHEN<sup>SM</sup>  
 TELEX: 996404 EASYLINK: 62968934 CABLE: OMEGA

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Northbank, Irlam, Manchester  
 M44 5EX, England  
 Telephone: 44 (161) 777-6611 FAX: 44 (161) 777-6622

**RETURN REQUESTS/INQUIRIES**

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.	FOR NON-WARRANTY REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:
2. Model and serial number of the product under warranty, and	1. P.O. number to cover the COST of the repair,
3. Repair instructions and/or specific problems relative to the product.	2. Model and serial number of product, and
	3. Repair instructions and/or specific problems relative to the product.

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