

Model 3508

UNIVERSAL 3 1/2 DIGIT PROCESS
INDICATOR "MIDGET"



Processing your future



The Model 3508 3½ digit (1999) LED Process Indicator can be applied to most process variables. This high-quality panel meter is designed for accurate measurement and display of temperature, pressure, level, flow, DC voltages or currents.

Data can be displayed in engineering format, rangeable from the side of the instrument.

FEATURES

- DIN 24 X 48 enclosure
- 1999 Counts
- 7,5 mm Red LED display
- Customer rangeable
- Hold display function standard
- Very low power consumption (35 mA typical)

OPTIONS

- | | | |
|------|---|----------------------------|
| 1006 | 0 - 5 mA / 0 - 10 mA / 0 - 20 mA
4 - 20 mA / 0 - 5 V / 1 - 5 V
0 - 10 V process input | } Customer
} Selectable |
| 1008 | Galvanically isolated DC supply | |

SPECIFICATIONS

INPUT RANGES

<u>Measuring Range</u>	<u>Input Impedance</u>	<u>F.S. Resolution</u>	<u>Max. Error</u>
0 - 5 mA	400 Ω		± 1 count
0 - 10 mA	200 Ω		"
0 - 20 mA	100 Ω		"
4 - 20 mA	100 Ω		" Note 1
0 - 5 V	500 k Ω	10 mV	"
1 - 5 V	500 k Ω		"
0 - 10 V	1 M Ω		"
199,9 mV DC	1 M Ω	100 μ V	± 1 count
1,999 V DC	1 M Ω	1 mV	"
19,99 V DC	1 M Ω	10 mV	"
199,9 V DC	1 M Ω	100 mV	"
400 V DC	1 M Ω	1 V	"
199,9 μ A DC	1 k Ω	100 mA	± 1 count
1,999 mA DC	100 Ω	1 μ A	"
19,99 mA DC	10 Ω	10 μ A	"
199,9 mA DC	1 Ω	100 μ A	"
1,999 A DC	100 m Ω	1 mA	"

SUPPLY VOLTAGE

8 - 12 V DC	
24 V DC	$\pm 10\%$
12 V DC	$\pm 10\%$ galvanically isolated
24 V DC	$\pm 10\%$ galvanically isolated

NOTES

- (1) All seven input ranges are included.
- (2) Other inputs are available. Refer to page 1 or contact factory.

ELECTRICAL SPECIFICATIONS

Accuracy: 0,05% ± 1 count	Operating temperature range: 0 to +55°C
Linearity: $\pm 0,05\%$ of F.S.	Storage temperature range: -40 to 85°C
Rollover error: 1 count typ.	Input protection 20 VFS: 200 V max.
Temperature Coeff.: ± 30 ppm /°C typ.	Supply: 35 mA DC / typ.
± 80 ppm /°C max.	
Settling Time: 1 second	

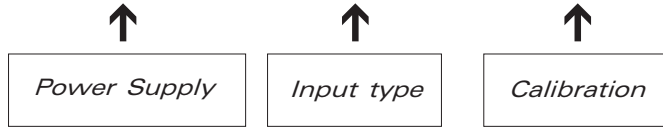
PROCESS INPUT SPECIFICATIONS

Zero trim : $\pm 10\%$	F.S. Trim :	230 to 1999 count
20 ppm / °C typ	Decimal points :	Front panel selectable

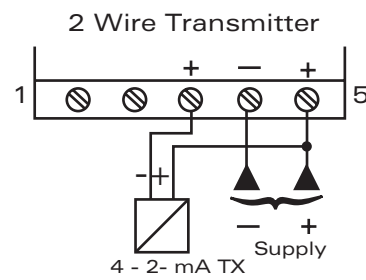
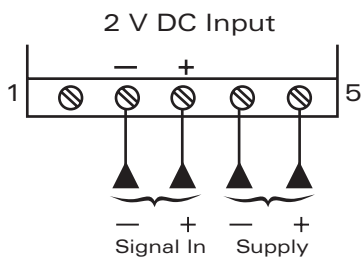
* Specifications subject to change without notice.

ORDERING EXAMPLE

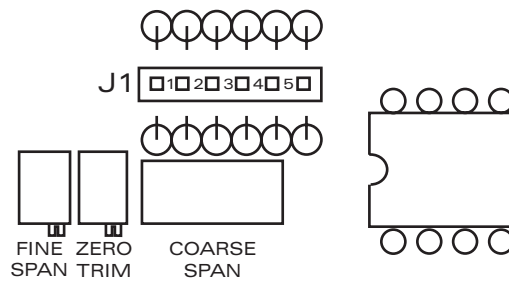
Model 3508 - 24 V DC - 4-20mA - 0-150,0



APPLICATION EXAMPLES



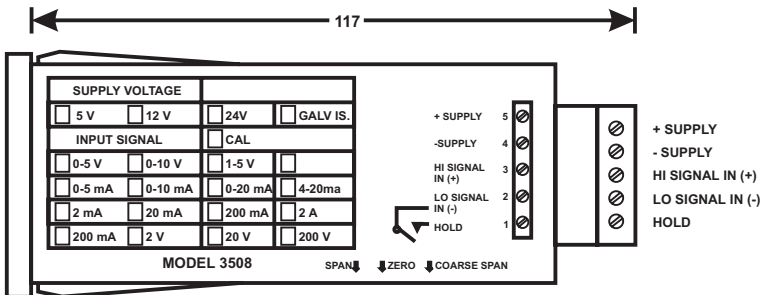
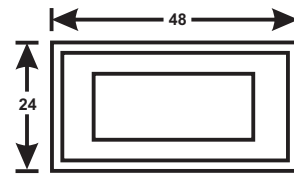
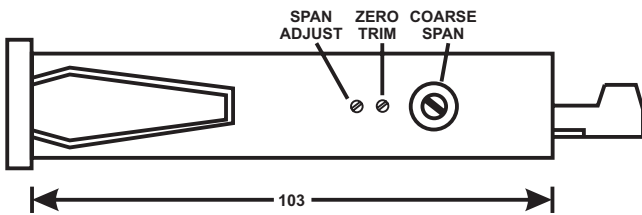
Rear connector 2-part removable screw terminals



JUMPER CONFIGURATION

0 - 20 mA : J1 - 1
 4 - 20 mA : J1 - 1
 0 - 10 mA : J1 - 2
 0 - 5 mA : J1 - 4
 0 - 5 V : J1 - 5
 1 - 5 V : J1 - 5
 0 - 10 V : NONE

DIMENSIONS & CONNECTIONS



PANEL CUTOUT 22 X 45

DECIMAL POINT SELECTION
BEHIND FRONT PANEL BEZEL

GUARANTEE

This product is guaranteed against faulty workmanship or defective material, for a period of 3 (three) years from date of delivery by DPM.

DPM undertakes to replace without charge all defective equipment which is returned to it (transportation costs prepaid) during the period of guarantee, provided there is no evidence that the equipment has been abused or mishandled in any way.

DPM reserves the right to alter any specification without notice.

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