

SECULIFE | DP_{PRO} Digital Pressure Meter

3-349-846-03
1/2.15

SECULIFE DP_{PRO} for Pressure measurement

- Single or Dual Pressure Sensor
- Large Graphics Display with Cursor Selection of Options & Parameters Setup
- ± 0.05% FS Pressure Accuracy
- 16 Bit Measurement
- Digital Calibration & Zero Adjust
- Selectable Display Options & Digit Sizes
- Battery life display (0 to 100%)
- Optional DC or High Frequency (up to 100 Hz Cycle Rate) Outputs
- Pressure & Vacuum
- Liquids & Gases



Specification

The SECULIFE DP_{PRO} is a High Precision Digital Pressure Meter. It measures both gas and liquid pressures and provides multiple engineering unit displays for the results. The unit may have one or two pressure sensors and an optional temperature sensor input to measure pressure and temperature all in one meter. An analog output option is also available.

Optional Accessories

Battery Eliminator (Universal)
RS232 Communication Cable, USB (A) M to mini DIN Male
Universal Pressure Adapter Kit
YSI Temperature Probe
RTD (100 Ω) Temperature Probe

PRESSURE UNITS	PRESSURE RANGES BY SENSOR RANGE				
	100 PSI	75 PSI	10 PSI	5 PSI	0.3 PSI
PSI	-13.50 to 100.00	-13.50 to 75.00	-10.000 to 10.000	-5.000 to 5.000	-0.3000 to 0.3000
mmHg @ 0 °C	-698 to 5171	-698 to 3879	-517.2 to 517.2	-258.6 to 258.6	-15.51 to 15.51
mmHg @ 20 °C	-701 to 5190	-701 to 3893	-519.0 to 519.0	-259.5 to 259.5	-15.57 to 15.57
inHg @ 0 °C	-27.5 to 203.6	-27.5 to 152.7	-20.36 to 20.36	-10.18 to 10.18	-0.6108 to 0.6108
inHg @ 20 °C	-27.6 to 204.3	-27.6 to 153.2	-20.43 to 20.43	-10.22 to 10.22	-0.6129 to 0.6129
cmH ₂ O @ 20 °C	-951 to 7043	-951 to 5282	-704.3 to 704.3	-352.2 to 352.2	-21.13 to 21.13
inH ₂ O @ 4 °C	-374 to 2768	-374 to 2076	-276.8 to 276.8	-138.4 to 138.4	-8.304 to 8.304
inH ₂ O @ 20 °C	-374 to 2773	-374 to 2080	-277.3 to 277.3	-138.7 to 138.7	-8.319 to 8.319
inH ₂ O @ 60 °C	-374 to 2771	-374 to 2078	-277.1 to 277.1	-138.5 to 138.5	-8.312 to 8.312
kg/cm ²	-0.949 to 7.031	-0.949 to 5.273	-0.7031 to 0.7031	-0.3515 to 0.3515	-0.0211 to 0.0211
kPa	-93.1 to 689.5	-93.1 to 517.1	-68.95 to 68.95	-34.48 to 34.48	-2.069 to 2.069
mBar	-931 to 6895	-931 to 5171	689.5 to 689.5	-344.8 to 344.8	-20.69 to 20.69
Bar	-0.931 to 6.895	-0.931 to 5.171	-0.6895 to 0.6895	-0.3448 to 0.3448	-0.0207 to 0.0207

Order options

LIST OF FEATURE ORDERING			
Type	Description	Order number	Code
1. Pressure sensor			
INCLUSIVE	0.3 psi	A01	ZZ
	0.5 psi	A02	ZZ
	10.0 psi	A03	ZZ
	75.0 psi	A04	ZZ
	100.0 psi	A05	ZZ
2. Pressure sensor			
ADDITIONAL CHARGE	no 2. Pressure sensor	B00	
	0.3 psi	B01	ZZ
	0.5 psi	B02	ZZ
	10.0 psi	B03	ZZ
	75.0 psi	B04	ZZ
	100.0 psi	B05	ZZ
Temperature Option			
ADDITIONAL CHARGE	no Temperature Option	C00	ZZ
	Temperature Option YSI 700	C01	ZZ
	Temperature Option RTD 100	C02	ZZ

How to order e.g.:

M6950 A05 B03 C01 = SECULIFE DP PRO 1.Sensor = 100 psi, 2.Sensor = 10 psi, Temp. Option YSI 700


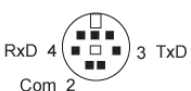
M6950 A05 B00 C00 = SECULIFE DP PRO 1.Sensor = 100 psi, no 2.Sensor, no Temp. Option

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Technical Data

DEVICE:

Display	128 x 64 Pixels Graphical LCD
Enclosure	ABS Plastic
Overlay	Lexan, Back Printed
Size	195.3 x 100.8 x 45.7 mm (7.69 x 3.97 x 1.80 Inches)
Weight	0.45 kg (≤ 1 Lbs)
Operating range	15 to 30 °C (59 to 86 °F)
Storage Range	-40 to 60 °C (-40 to 140 °F)

ELECTRICAL		
Battery	9 V Alkaline (ANSI/NEDA 1604A or equivalent)	
Battery Eliminator	9 V DC, 200 mA 	
Power Consumption	ON	< 35 mA
	OFF	< 40 µA
Battery Life	Continuous	80 hours
	OFF	1 year
RS-232 Communications	Baud	115200
	Data Bits	8
	Start Bits	1
	Stop Bits	1
	Parity	None
	Handshaking	None
	Connections	Seven (7) pin Mini-DIN Receptacle RS-232  NOTE: As Viewed from Unit Exterior

Ordering information

Description	Type	Order number
Digital Pressure Meter	SECULIFE DP _{PRO}	M6950

For more information on accessories, see

- www.gossenmetrawatt.com

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