

Crystal Engineering M1 Digital Pressure Gauge

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Zoom



Part Number: M1 
Manufacturer:
Crystal Engineering
Configuration:
M1-

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Key Features:

- Bright easy to read 5 digit LCD backlit display
- Stainless wetted parts for rough application
- Waterproof housing - IP65
- Max/Min reading capture
- Data smoothing feature
- Fast update rate, 4 per second (250 mSec)
- Very broad temperature operating range
- UV resistant ultra durable housing
- Long 3 year battery life
- Protective boot included
- Shifts everyday wear to replaceable CPF adapter

Product Options:

Crystal Engineering Model M1 Pressure Range Selection*

Crystal Engineering Model M1 Adapter Type*

Crystal Engineering Model M1 Pump System (Optional)

Crystal Engineering Model M1 Without Liquid (Pump drained) (Optional)

Crystal Engineering Model M1 Carrying Case ONLY When Ordering Pump System

Crystal Engineering Model M1 Calibration Options*

Qty: Our Price:

1

\$748.00

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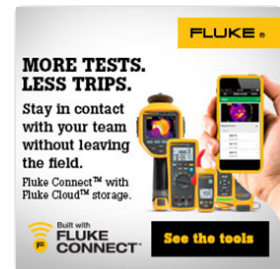
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(M - F 8:30-5:00 EST)

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Product Detail

Specifications

Data Sheet Resources

Reviews

Applications

Accessories

Videos

ACCURACY

0 to 20% of Range:	± (0.04% of Full Scale)	Includes all effects of linearity, hysteresis, repeatability, temperature, and stability.
20% to 110% of Range:	± (0.2% of Reading)	All models indicate vacuum, but vacuum only applies to 15 psi, 30 psi, 100psi, and 1000psi models only.
Vacuum:	± (0.25% of Full Scale*)	Not recommended for continuous use.
	* Full Scale = -14.5 psig	Refer to XP2i-DP data sheet for gauge intended for continuous high vacuum.

OPERATING TEMPERATURE

Temperature Range:	-10 to 50 °C (14 to 122 °F)	Non-condensing. No change in accuracy over operating temperature range. Gauge must be zeroed to achieve rated specifications.
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DISPLAY

Screen:	5.5 digits 16.9 mm (0.67") high	LCD readable in sunlight with bright
Display Rate:	4 rdgs/sec (standard)	
	8 rdgs/sec (PSV Mode)	PSV mode is intended for Pressure Sa testing, and requires software to en

POWER

3 x AA:	1500 hours, typical	Uses 3 alkaline AA (LR6) batteries. I and/or RS232 reduces operating tim
		Optional AC power supply available power supply in hazardous locations
Ultra Low Power:	Over 1 year, typical**	** 20 minute recording interval or g mode.

DATA/COMMUNICATION

Digital Interface:	RS232, DB-9F	Free Labview drivers and programming available for download from website.
		Do not use RS32 in hazardous locations.

DATALOGGING

Capacity:	32 000 data points	DataLoggerXP Firmware Update may b time of order, or in an Upgrade Packag
Storage Type:	Flash memory	Software available for download from
Minimum Interval:	1 second	Compatible w/ 32 & 64 bit Windows 7,
Maximum Interval:	18 hours	Produces csv files, or used Excel templ (samples included) to automatically fo data.
Min.	250	*** Logging Type - Average with Peaks.

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Event Duration:	mS***	
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ENCLOSURE

Weight:	562 g (19.8 oz)	Weight includes batteries.
Rating:	IP67	Submersible to 1 m for 30 minutes [I]
Housing:	Diecast aluminum	Nickel plating over low copper, marin
Keypad and Labels:	UV Resistant Polyester	LCD protected from impact damage b thick polycarbonate lens under polye
		Skydrol compatible.

SENSOR

Wetted Materials:	316 stainless steel	All welded, with a permanently diaphragm seal.
	and Viton internal o- ring (finger tight)	Metal to metal cone seal; O-rin removed if necessary.
Diaphragm Seal Fluid:	Silicone Oil	Optional connection on back.
Connection:	Crystal CPF Female	1/4" male NPT adapter include M20 is specified.
		1/4" medium pressure tube sys with HiP LM4 and LF4 Series, A SF250CX Male and Female Serie

STORAGE TEMPERATURE

Temperature Range:	-40 to 75 °C (-40 to 167 °F)	Batteries should be remov more than one month.
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SPECIAL FEATURES

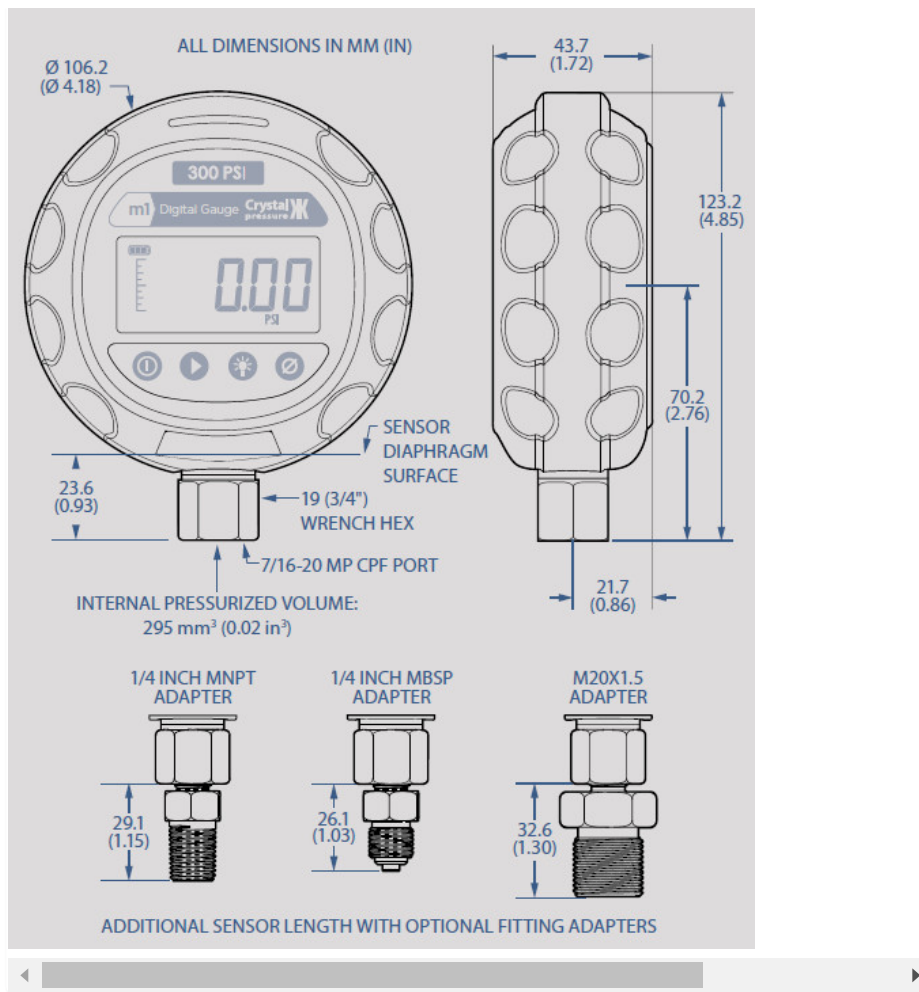
The following requires the use of our free [ConfigXP](#) software.

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User Defined Unit:	Allows the user to define and display any pressure units included, or to use the gauge to display force, length or pressure related parameters. Reduce or increase resolution.
PSV Mode:	Intended for pressure safety valve / burst disk test readings per second. Captures point at which valve opens as well as reseal pressure.
Averaging:	Smooths unsteady readings (1 to 10 samples).
Remove:	Unwanted pressure units from Units button.
Disable:	Peak pressure button.
Limit or Disable:	Zero button.
Password Protect:	Changes to configuration or calibration factor(s) require password.
Save:	Configuration to a file.
Copy:	Configuration to other gauges.

Dimensions



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