

POWER

2 x AA: 900 hours, typical

Extended Battery Life: 1 reading/15 seconds: 3,000 hours
1 reading/30 seconds: 6,000 hours

1 reading/30 seconds: 6,000 hours

1 reading/60 seconds: 10,000 hours 1 reading/5 minutes: 25,000 hours

: 10,000 hours 5526.A m1M Data Sheet

1 reading/10 minutes: 30,000 hours

Display Rate: 4 readings/second

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AMETEK°





m1M Pressure Gauge **ENCLOSURE**

Weight: 331 g (11.7 oz)

Housing: Polyester/Polycarbonate Blend

Keypad and Labels: UV Resistant Polyester

Weight includes batteries and protective boot.

Water resistant housing incorporating o-ring seals [IEC 60529].

LCD protected from impact damage by polycarbonate lens under

SENSOR

Wetted Materials: (WRENCH TIGHT) 316 stainless steel

(FINGER TIGHT) 316 stainless steel

and Viton® (internal o-ring)

Diaphragm Seal Fluid: Silicone Oil

Connection: Crystal CPF* Female

Metal to metal cone seal; O-ring can be removed if necessary.

1/4" medium pressure tube system compatible with HiP LM4 and LF4 Series, Autoclave Engr SF250CX Male and Female Series.

1/4" male NPT adapter included unless BSP or M20 is specified.

U.S. Patent No. 8,794,677

STORAGE TEMPERATURE

Temperature Range: -40 to 75° C (-40 to 167° F)

Batteries should be removed if stored for more than

SPECIAL FEATURES

Averaging: Smooths unsteady readings (2 to 20 samples)

Vertical Bar Graph: Percent pressure indication for quick reference

5526.A m1M Data Sheet Capture: Minimum (LO) and Maximum (HI)

■CERTIFICATIONS

m1M complies with the Electromagnetic Compatibility and Pressure Equipment Directives. Refer to the EC Declaration of Conformity for specific details.

m1M is approved for use as a portable test instrument for Marine use and complies with Det Norsjke Veritas' Rules for Classification of Ships, High Speed & Light Craft, and Offshore Standards.

 $\textbf{Notes:} \ \ \, \text{The m1M is specified to support a 3 year recommended}$

calibration interval.

Every m1M comes with an ISO 17025 calibration report-NISTtraceable, A2LA accredited (certificate # 2601.01), internationally recognized by ILAC - with test data at 5 temperatures, proving our gauges meet specifications throughout their full temperature

range.

#2601.01 ISO/IEC 17025) in an environmental chamber using fully automated equipment. Inclusion of the ILAC-MRA symbol does not imply certification or approval of the product itself, but rather refers to Crystal's accreditation as a calibration facility.



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RANGE & RESOLUTION TABLE

Display Resolution

P/N	Range	Overpressure	psi	in Hg	mm Hg	kg/cm²	bar	mbar	kPa	MPa
300PSI	300 psi	2.0 x	0.01	0.1	1	0.001	0.001	1	0.1	0.0001
20BAR	20 bar	2.0 x	0.01	0.1	1	0.001	0.001	1	0.1	0.0001
2MPA	2 MPa	2.0 x					0.001	1	0.1	0.0001
3KPSI	3000 psi	1.5 x	0.1	1]	0.01	0.01		1	0.001
200BAR	200 bar	1.5 x	0.1	1		0.01	0.01		1	0.001
20MPA	20 MPa	1.5 x					0.01		1	0.001

Refer to the complementary products section on page 4, for additional ranges and accuracies.

ORDERING INFORMATION

Model —	P/N	Adapter Type	Pump System*				
M1M							
	Standard:	NPT (omit)	No Pump(omit)				
	Optional:	G 1/4 BBSP	System B (pneumatic) Maritime Kit — 25 inHg to 580 psiBHM				
		M20x1.5M20	System B (pneumatic) -25 inHg to 580 psiBHX				
			System C (oil) Maritime Kit — 0 to 3000 psi CXM				
			System C (oil) 0 to 3000 psi				

* Refer to the following page for a more detailed description of each Pump System. Systems C are delivered without fluid.

SAMPLE PART NUMBERS

Ordering a Pump System Only

Any pump system, including the carrying case and connection fittings, may be ordered separately from the gauge. Enter M1M-NONE followed by the Pump System part number.

SAMPLE PART NUMBER

 $\textbf{M1M-N0NE-BHM} \dots \dots \text{System B maritime pump system with a rugged carrying case.}$

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TEST & CALIBRATION INSTRUMENTS

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m1M Pressure Gauge

PUMP SYSTEMS

➤ Systems B... T-975 Pump (-0.91 to 40 bar/-27 in Hg to 580 psi)

BHM Maritime System: Coiled Hose with 1/4" NPT F connection, adapter to 1/4" BSP F, M1M connection fitting, bonded seals, o-ring kit, and rugged carrying case.

BHX Quick Test CPF System: CPF hose with 1/4" NPT F and 1/4" BSP F adapters, M1M connection fitting, bonded seals, o-ring kit, and a rugged carrying case.

► Systems C... T-620 Pump (200 bar/3000 psi)

CXM Maritime System: Standard hose with 1/4" NPT F connection, adapter to 1/4" BSP F, M1M connection fitting, bonded seals, o-ring kit, and rugged carrying case.

CXX Quick Test CPF System: CPF hose with 1/4" NPT F and 1/4" BSP F adapters, M1M connection fitting, bonded seals, o-ring kit, and a rugged carrying case..



ACCESSORIES

Protective Boot P/N 3436 (included)

Protect your m1M from harsh environments with our form fitting chemical resistant thermoplastic boot (Skydrol fluid compatible).

NPT Hose and Fitting Kit P/N 4016

Includes: 1/8 NPT [Male (2), Male 90°, Male Quick Test, and Female Quick Test], 1/4 NPT [Male (2), Female, Male Quick Test, and Female Quick Test], 1/2 NPT [Female Quick Test], Tube [1/4 Male, 3/8 Male, and 1/2 Male], AN4 Male, Transmitter [1/4 Male and 5/16 Male], CPF Connectors [Male-Male, T-Union, Plug, and Cap (2)], Hose [1 meter], and Custom Carrying Case.

BSP Hose and Fitting Kit P/N 4017

Includes: BSP Female [1/8, 1/4 (2), 3/8, and 1/2], NPT [1/4 Quick Test Female and 1/8 Male (2)], Transmitter [1/4 Male and 5/16 Male], CPF Connectors [Male-Male, T-Union, Plug, and Cap (2)], Hose [1 meter], and Custom Carrying Case.

COMPLEMENTARY PRODUCTS

- \bullet Fittings that connect without tools, safely and without leaks
- Lightweight, super flexible high pressure hoses
- Portable temperature calibrators
- Intrinsically Safe Digital Test Gauges
- Intrinsically Safe Reference Recorders
- Multi-Function Calibrators

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