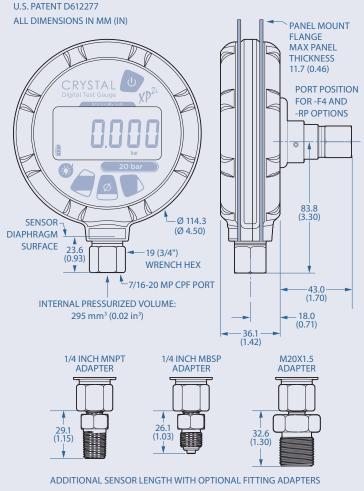
CRYSTAL

XP2i Pressure Gauge bar

CCURACY							
_	±(0.02% of Full Scale)	Includes all effects of linearity, hysteresis, repeatability, temperature, and stability for one year.					
_	±(0.1% of Reading) ±(0.25% of Full Scale*)	All models indicate vacuum, but vacuum specification applies to 1 bar, 2 bar, 7 bar, and 20 bar models only.					
	* Full Scale = -1.0 bar	Not recommended for continuous use below -1.0 bar. Refer to <u>XP2i-DP data sheet</u> for gauges that are intended for continuous high vacuum use.					
PERATING TEMP	ERATURE						
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 specification.					
SPLAY							
Screen:	5.5 digits, 16.9 mm (0.67") high	LCD readable in sunlight with bright backlight.					
Display Rate:	4 readings/second (standard) 8 readings/second (PSV mode)	PSV mode is intended for Pressure Safety Valve testing, and requires software to enable. (ConfigXP is a free download from XP2i.com.)					
WER							
3 x AA:	1500 hours, typical	Uses 3 alkaline AA (LR6) batteries. Use of backlight					
Ultra Low Power:	> 1 year, typical**	and/or RS232 reduces operating time.					
		Optional AC power supply available. Do not use AC power supply in hazardous locations.					
		**20 minute recording interval or greater in LT5 mode.					
TA/COMMUNIC	CATION						
Digital Interface:	RS232, DB-9F	Free Labview [®] drivers and programming instructions are available for download from website.					
		Do not use RS232 in hazardous locations.					
TALOGGING							
Capacity:	32000 data points	DataLoggerXP Firmware Update may be purchased at time of					
Storage Type: Non-volatile flash memory Minimum Interval: 1 second		order, or an Upgrade Package may be purchased afterward.					
		Software available for download from our website. Compatible with 32 & 64 bit Windows 7, Vista, and XP (32 bit only). Produce					
Maximum Interval:	18 hours	csv files, or uses Excel template files (samples included) to automatically format and graph data.					
Min. Event Duration:	250 mS***	*** Logaing Type - Average with Peaks					

*** Logging Type - Average with Peaks.



CRYSTAL

ENCLOSURE

Weight: 562 g (19.8 oz) Rating: IP67 Housing: Diecast aluminum Keypad and Labels: UV Resistant Polyester

SENSOR

Wetted Materials: (WRENCH TIGHT) 316 stainless steel All welded, with a permanently filled diaphragm seal. Metal to metal cone seal; O-ring can be removed if necessary. (FINGER TIGHT) 316 stainless steel and Viton[®] (internal o-ring) Optional connection on back. Diaphragm Seal Fluid: Dow Corning[®] 200 1/4" male NPT adapter included unless BSP or M20 is specified. Connection: Crystal CPF Female 1/4" medium pressure tube system compatible with HiP LM4 and LF4 Series, Autoclave Engr SF250CX Male and Female Series. Can be cleaned and certified for oxygen service. **STORAGE TEMPERATURE**

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

Batteries should be removed if stored for more than one month.

Weight includes batteries.

Skydrol[®] compatible.

Submersible to 1 m for 30 minutes [IEC 60529].

polycarbonate lens under polyester window.

Nickel plating over low copper, marine grade aluminum.

LCD protected from impact damage by 1.5 mm (0.06") thick

SPECIAL FEATURES

The following requires the use of our free ConfigXP software

- User Defined Unit: Allows the user to define and display any pressure units not included,
 - or to use the gauge to display force, level, or other pressure related parameters. Reduce or increase displayed resolution.
 - PSV Mode: Intended for pressure safety valve / burst disk testing. 8 readings per second. Captures point at which valve opens, as well as reseat 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).
 - Save: Configuration to a file.
 - Copy: Configuration can be copied to other gauges.

XP2i Pressure Gauge **bar**

CERTIFICATIONS

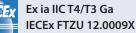


II 1G Ex ia IIC T4/T3 Ga **FTZU 12 ATEX 0048X**

This product conforms to:

EN 60079-0: 2009 | EN 60079-11: 2012 | EN 60079-26: 2007





This product conforms to:

IEC 60079-0: 2011 | IEC 60079-11: 2011-06 | IEC 60079-26: 2006



XP2i complies with the Electromagnetic Compatibility and the Pressure Equipment Directives. Refer to the EC Declaration of Conformity for specific details.



The instrument was tested against AS/NZS 3584, C-tick EMC/EMI requirements.



XP2i 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.

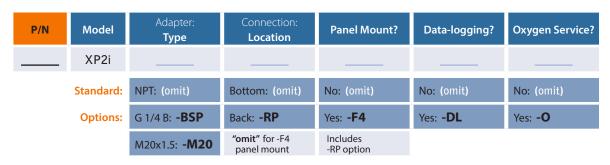
4611.G XP2i bar Data Sheet

CRYSTAL

RANGE & RESOLUTION TABLE

			Display I	Resolutio	n							
P/N	Range (bar)	Over- pressure	bar	mbar	kPa	MPa	PSI	in H₂O	in Hg	mm Hg	mm H₂O	kg/cm²
1BAR	1	6.5 x	0.0001	0.1	0.01	0.00001	0.001	0.01	0.001	0.01	1	0.0001
2BAR	2	3.0 x	0.0001	0.1	0.01	0.00001	0.001	0.01	0.001	0.1	1	0.0001
7BAR	7	2.0 x	0.0001	0.1	0.01	0.00001	0.01	0.1	0.01	0.1	1	0.0001
20BAR	20	2.0 x	0.001	1	0.1	0.0001	0.01	0.1	0.01	1		0.001
30BAR	30	2.0 x	0.001	1	0.1	0.0001	0.01	1	0.1	1		0.001
70BAR	70	2.0 x	0.001		0.1	0.0001	0.1		0.1			0.001
140BAR	140	2.0 x	0.01		1	0.001	0.1		0.1			0.01
200BAR	200	1.5 x	0.01		1	0.001	0.1		0.1			0.01
300BAR	300	1.5 x	0.01		1	0.001	0.1		1			0.01
700BAR	700	1.5 x	0.01		1	0.001		,				0.01

ORDERING INFORMATION*



SAMPLE PART NUMBERS

*BAR versions available in USA direct from factory only.

XP2i Pressure Gauge bar

ACCESSORIES



Protective Boot P/N 3696

Protect your XP2i even more from harsh environments with our form fitting chemical resistant thermoplastic boot (Skydrol fluid compatible).

AC Adapter Kit P/N 2984

For continous use applications without battery replacement concern. Input voltage: 100 - 240V, 50-60 Hz. Includes all available international plugs. (Not for use in hazardous locations.)

COMPLIMENTARY PRODUCTS

Crystal Engineering offers a wide range of products that work with the XP2i:

- Fittings that connect without tools, safely and without leaks
- Lightweight, super flexible high pressure hoses
- <u>Complete Calibration Kits</u>
- Pneumatic hand pumps
- Hydraulic hand pumps
- Portable pressure comparators
- <u>Software, for the quickest way to calibrate pressure transmitters</u> and gauges

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