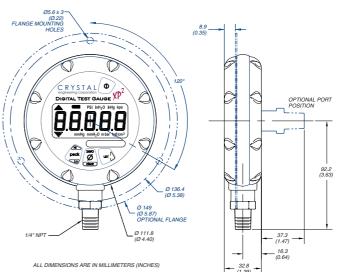


# 🞾 DIGITAL TEST GAUGE

Introducing the  $XP^2$  – the most rugged pressure gauge we've ever built! That silver housing is actually formed, heavy gauge stainless steel, fully sealed to meet **NEMA4** and **IP66**. Electronics are cushioned by a shock absorbing mounting, and the large (16.5 mm, 0.65") high contrast display is reinforced against damage.

Pressure is displayed in up to 9 different pressure scales (PSI, kPa, etc.), on one of the easiest to read, full five digit, liquid crystal display, and there's a peak capture function. The  $XP^2$  is so simple to use it doesn't need or use configuration menus. All  $XP^2s$  have a built-in RS232 interface, and they're available in rear port and panel mounted versions. Although battery life is 1500 hours,  $XP^2s$  can also be run from external power.

Our hallmark is performance, and the  $XP^2$  is no exception. It's rated at **0.1% of reading**, from 20% to 100% of the rated range. 300 PSI ranges and lower are compound, and are rated to measure vacuum,



too. That means *any KP<sup>2</sup> can replace several "of scale" rated test and/or digital gauges!* And they're fully temperature compensated – the specifications are not derated for any temperature between -10°C (14°F) and +50°C (+122°F)!

With all these features, you may be surprised that the  $\mathcal{P}^2$  costs less than you might expect - around the same as other digital gauges, making it an exceptional value. They're designed, built and serviced by a company that only makes pressure measuring equipment, and that's why we say: **Pressure is Our Business!** 

## Specifications

Accuracy	Power
20% to 100% of Full Scale: ±(0.1% of Reading)	
0 to 20% of Full Scale: ±(0.02% of Full Scale)	
	Low Bott

Vacuum, for 2000kPa (300 PSI) and lower ranges, only: 0 to -99.9 kPa(-14.5 PSIG): ±(0.25% of Full Scale), where F.S. = -99.9 kPa (-14.5 PSIG)

#### Temperature

Operating & Compensated: -10°C to 50°C (14°F to 122°F) Storage: -20°C to 70°C(-4°F to 158°F)

#### Connections

Pressure Connection: 1/4" male NPT

#### **Media Compatibility**

Liquids and gases compatible with 316 stainless steel.

#### Pressure Ranges, Display Scales & Resolution

Specifications are for one year and include all effects of linearity, hysteresis, repeatability, and temperature.

Battery: Three size AA (RS6) batteries Battery Life: 1500 hours typical (alkaline battery) Low Battery Indicator: Displayed battery icon

#### Enclosure

Description: 300 series SS sealed to NEMA4/IP66. Weight: 500g (17.6 oz.), including batteries.

**AC Adapter Kit:** P/N 2984 permits operation of the  $XP^2$  from an AC supply of 90 - 264 VAC and 47 - 63Hz.

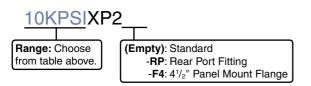
**Plastic Hard Case: P/N 3009,** 35.6 cm (14") L x 27.9 cm (11") W x 8.3 cm (314") H with egg-shell foam interior.

**Panel Mounting:** Add option F4 for panel mounting (the  $\mathcal{M}^2$  fits in a 4½" gauge cutout). To adapt to a 6" gauge cutout, also add P/N 2955, or, for an 8½" gauge, also order P/N 2956 (both require the F4 option).

Range	max PSI	Range	max bar	PSI	kg/cm <sup>2</sup>	Hg	H <sub>2</sub> O	mmHg	mmH <sub>2</sub> O	kPa	Bar	mBar	Range*	max kPa	* kPa versions only have kPa, Bar
15PSI	100	1BAR	7	0.001	0.0001	0.001	0.01	0.01	1	0.01	0.0001	0.1	100KPA	700	and where possible,
30PSI	100	2BAR	7	0.001	0.0001	0.001	0.01	0.1	1	0.01	0.0001	0.1	200KPA	700	mBar. PSI & Bar
100PSI	200	7BAR	14	0.01	0.0001	0.01	0.1	0.1	1	0.01	0.0001	0.1	700KPA	1400	include all available
300PSI	600	20BAR	42	0.01	0.001	0.01	0.1	1		0.1	0.001	1	2KKPA	4200	scales.
500PSI	1000	30BAR	70	0.01	0.001	0.1	1	1		0.1	0.001	1	3KKPA	7000	XP <sup>2</sup> s will display up
1KPSI	2000	70BAR	140	0.1	0.001	0.1				0.1	0.001		7KKPA	14000	to 110% of Range,
2KPSI	4500	140BAR	350	0.1	0.01	0.1				1	0.01		14KKPA	35000	but will not be damaged if exposed
3KPSI	4500	200BAR	350	0.1	0.01	0.1				1	0.01		20KKPA	35000	to pressure less
5KPSI	7500	300BAR	450	0.1	0.01	1				1	0.01		30KKPA	45000	than or equal to the
10KPSI	15000	700BAR	1000	1	0.01					1	0.01		70KKPA	100000	"max" rating.

Standard factory setting is 1"H,O=0.036126 PSI (density of water @ 4°C). Specify at time of order if you require a different density (e.g., for water @68°F, 1"H,O=0.036063 PSI).

### Ordering Information (example part number in *blue*):



Specifications subject to change without notice. © 2003, Crystal Engineering Corporation 3022-A4P Rev A Printed in Australia 9/03





Crystal Engineering Corporation, 720 Aerovista Place, Suite B, San Luis Obispo, California 93401-8701 U.S.A. 805-595-5477 ◆ fax 805-595-5466 ◆ www.crystalengineering.net ◆ sales@crystalengineering.net