



For Pressure Measurement: THINK CRYSTAL

engineering corporation

Our Mission Statement

“Crystal products will be easy to use, reliable and will provide exceptional value.”

The best example of our mission statement is the ATEX/IECEx approved **XP2i** Digital Test Gauge, combining **leading edge technology** with rugged industrial design.

Easy to Use

The XP2i is not menu driven. Menus increase the amount of setup time involved and make simple tasks, like switching units, very time consuming. The XP2i only has three buttons to learn, making training easier as well as eliminating mistakes.

- Less time spent training users.
- Errors are decreased, saving time and money.

Durable

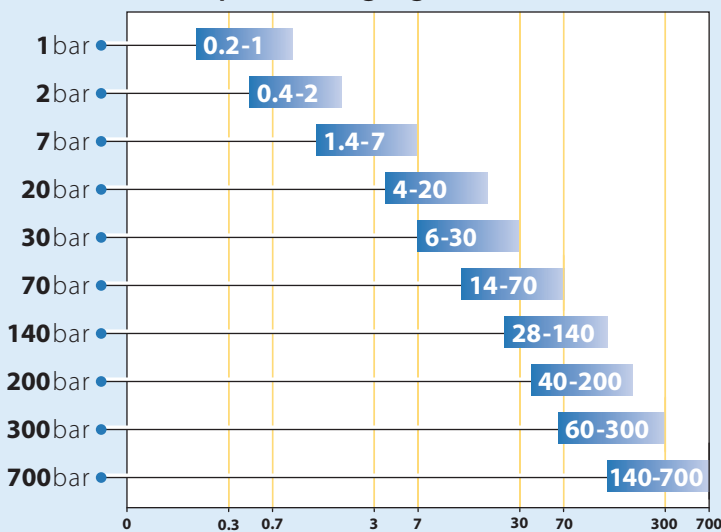
The XP2i has a rugged NEMA 4 stainless steel case, measuring just 1.29" deep. Its innovative shock mount design isolates electronics for extra protection in rough environments.

- Save money by replacing equipment less often.
- Accidental over-pressure will not affect calibration or damage the sensor.*

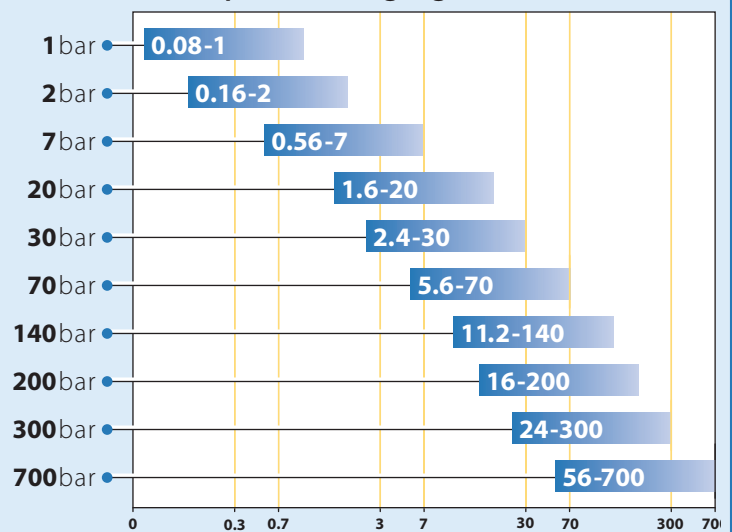
Accurate and Reliable

The XP2i's accuracy is 0.1% "of reading", which has many advantages over "of scale" devices. The XP2i's accuracy is also fully temperature compensated throughout its entire operating range (14° F to 122° F). Many customers do not realise the advantage of an "of reading" device and this advantage is key: **one "of reading" device can replace multiple "of scale" devices, resulting in the need for fewer devices to maintain and recalibrate annually.** The following tables display the range of pressure devices that a single XP2i can replace (each XP2i includes a calibration certificate with a data report).

XP2i will replace 0.1% gauges between... bar



XP2i will replace 0.25% gauges between... bar



Advantages over Mechanical Gauges

Dropping can't affect accuracy • Overpressure can't affect accuracy*
No hysteresis • No temperature affect • Repeatable readings

Advantages over Other Digital Gauges

More resolution • Intrinsically safe • RS-232 • Protected LCD •
Shock mounted electronics •

* Of course, extreme high pressure can (and will) destroy the sensor. However, unlike with mechanical gauges, sensor failure in an XP2i digital gauge will be obvious.



Do More with **XP2i** Gauges!

CRYSTAL offers a selection of software and hardware solutions designed to enhance the already flexible and powerful features built in to every **XP2i** Digital Test Gauge.

“ At Crystal Engineering, pressure measuring equipment is the only thing we do. ”

PRESSURE is Our **BUSINESS™**

DataLoggerXP™

DataLoggerXP firmware upgrades and converts an XP2i into an intrinsically safe pressure recorder. Then an XP2i can store up to 3,000 records. It's an ideal solution for any type of leak testing (especially pipelines). Download the stored data to your PC with **DataloggerXP software** (available at XP2i.com, for **free**) and save the data directly into Microsoft® Excel spreadsheets.

Key Features

- Collect up to 3,000 data points
- Change data collection parameters from either a computer or the keypad of an XP2i
- Start and stop multiple collection runs from the XP2i keypad
- Switch an XP2i from standard to DataLogger mode in minutes

ConFigXP™

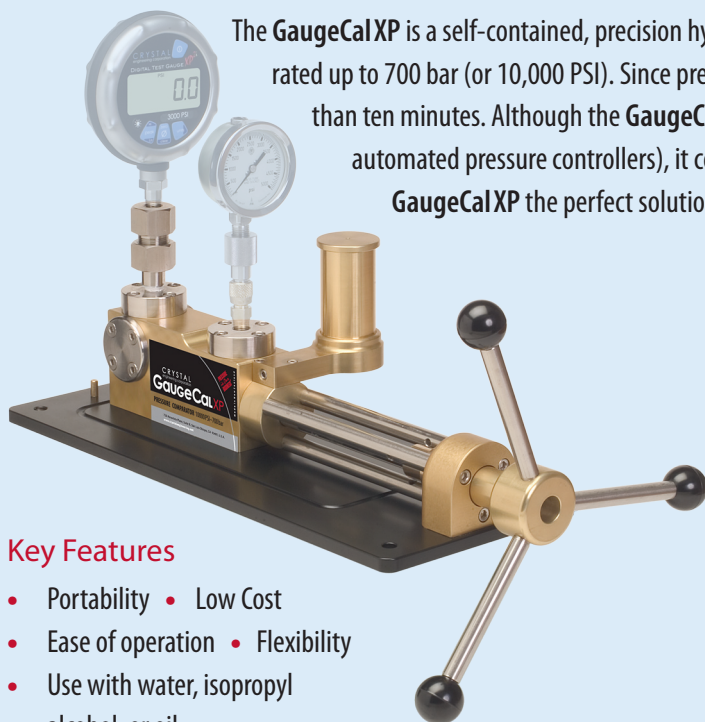
ConFigXP software provides a fast and easy way to customise an XP2i digital test gauge. The simple user interface displays all of the setting options grouped into categories and displays their relationship to the three primary function buttons on the XP2i keypad.

Key Features

- **Enable** new features, like averaging
 - **Disable** unwanted pressure units
 - **Disable** any button (except on/off)
 - **Disable** calibration adjustment
 - **Create** a custom pressure unit
 - **It's FREE!**
- Go to www.xp2i.com for your free download!

GaugeCalXP™

The **GaugeCalXP** is a self-contained, precision hydraulic pressure generator intended for the calibration of pressure gauges rated up to 700 bar (or 10,000 PSI). Since pressure can be set very quickly and precisely, gauges can be calibrated in less than ten minutes. Although the **GaugeCalXP** is much faster to use than a deadweight tester (and faster than most automated pressure controllers), it costs much less. Its features, performance and ease of use make the **GaugeCalXP** the perfect solution for even the most demanding gauge calibration requirements.



Key Features

- Portability • Low Cost
- Ease of operation • Flexibility
- Use with water, isopropyl alcohol, or oil.

XP2i Protective Rubber Boot

Make your XP2i even more rugged: add a protective boot which is designed for extremely rough service.

Quantity discounts are available on orders of 10 or more.

Key Features

- Thermoplastic is resistant to petroleum-based fluids
- Compatible with Skydroll!
- Includes cover for RS-232 port

