

Crystal
pressure

XP2i

It's **not** like **other**
pressure gauges



AMETEK
SENSORS, TEST & CALIBRATION

Stronger. Tougher. Better.

Dropped, Submerged, Over-Pressurized and it **still** reads accurately!



Submersible:

Sealed against dust and water. IP67 certified for 30 minutes of full submersion under 1 meter (3 ft.) of water.

Shock Resistant:

Survives falls with no affect on accuracy.
(Can your gauges do that?)



Marine-Grade Construction:

The patented XP2i's, nickel-plated housing resists corrosion with the same low-copper, aluminum alloy found on saltwater outboard motors.



Would you know if your gauge was broken?

Some sensors and bourdon gauges read incorrectly after deforming under pressure. You would never know your gauge is broken until you compare it to a reference.

The XP2i's silicon sensors shatter at very high pressure, **but never deform**. They always return to their original shape **and accuracy**, even after accidental overpressure. Sensor self-diagnostics will not allow operation if the sensor is damaged.



Always Accurate

The Same Accuracy at Any Temperature



Active Digital Temperature Compensation corrects sensor for changes in temperature. We guarantee 0.1% of reading accuracy from -10 to 50° C.

Higher Accuracy at Any Pressure



With the XP2i's "of reading" specs, your accuracy is always better than a 0.1% "of span" gauge, at any pressure under full scale.

Plus, you can carry less gear.

Easy to Calculate 4:1 Calibration Ratios



Check the fine print in other test gauge specs—you will find small uncertainty adders that overwhelm the basic accuracy, even under conditions you work in every day.

With the XP2i's 0.1% of reading accuracy, your TUR is easy to calculate for devices rated down to 20% of the XP2i's full scale.

Calibration Certificate Included (Free!)



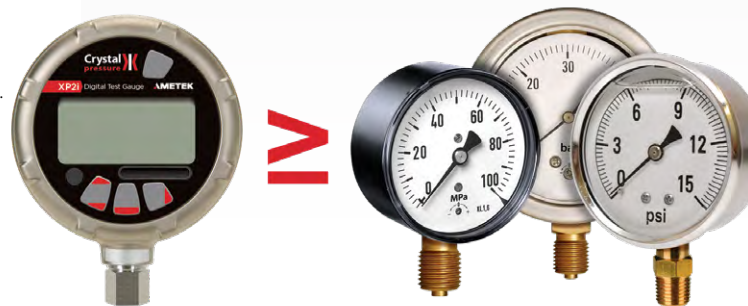
Every XP2i comes with an ISO 17025 calibration report—NIST-traceable, A2LA accredited, internationally recognized by ILAC—with test data at 5 temperatures, proving our gauges meet specifications throughout their full temperature range. Other manufacturers *charge extra* for a report with data only at room temperature.

CARRY LESS Save Money

One XP2i Replaces 3 (or More) Test Gauges

Every XP2i maintains its accuracy across a wide pressure and temperature range, so using one XP2i is like carrying multiple conventional gauges. PLUS: You save on next year's calibration costs—whether calibrating an XP2i or a single test gauge, the costs are about the same.

Now, you can save even more on calibration costs with our new **AMETEKCal program**. Prepay for three years of re-calibration for less than the cost of two.



AMETEK®
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Intrinsically Safe Recorder

Now Record up to 32 000 Data Points

When you purchase DataLoggerXP, you transform your XP2i into a portable pressure data logger. Leave your XP2i on location as it records and timestamps readings for months at a time. Start and stop recording with a single button, record multiple data sets, or take individual readings.

XP2i logs pressure at intervals down to 1 reading per second in a number of ways such as Actual Pressure, Average Pressure, or Average Pressure with Peak Hi and Low values.

DataLoggerXP is Ideal For:

- Pipeline leak testing
- Wellhead monitoring
- Chart recorder replacement
- Diagnostics—capture intermittent or transient events
...and many more

Saves You Time!

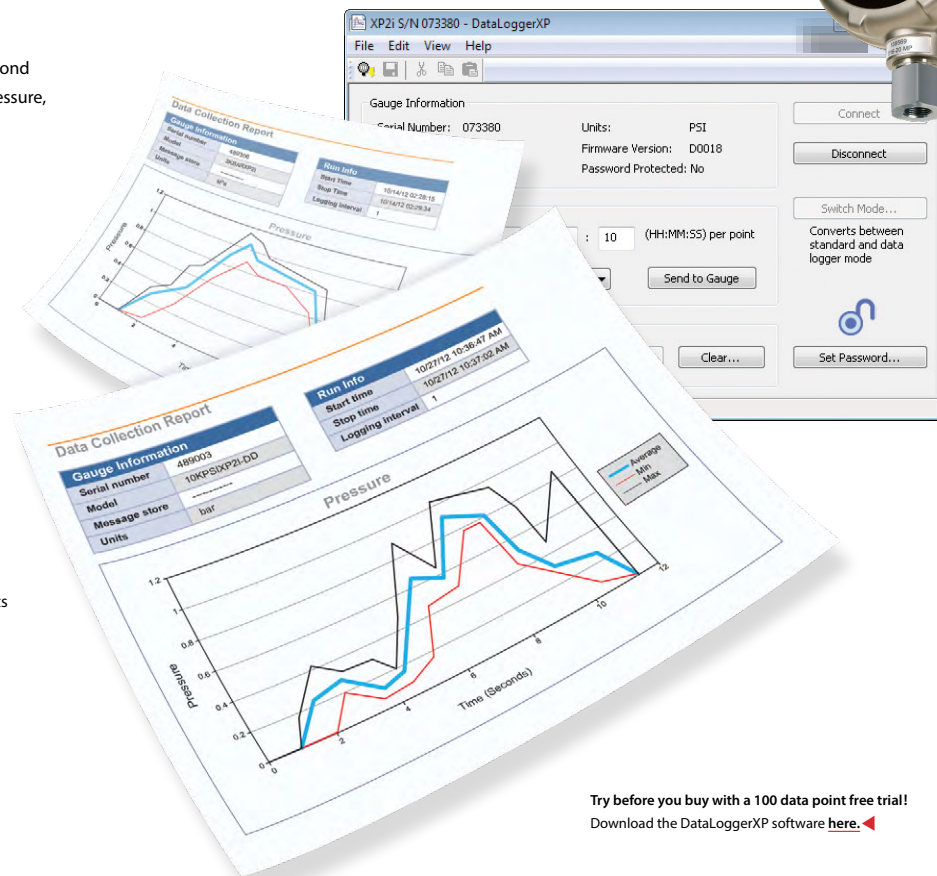
- Easy to use
- Output to pre-formatted Microsoft® Excel spreadsheets
- Change logging parameters directly from the keypad
- Install on additional computers at no extra cost

Extended battery life for long-term recordings

- Record up to **1 YEAR** with Ultra-Low Power mode

Now available on a Dual Line Display gauge

- See the number of remaining datapoints and live pressure on the same display.



Try before you buy with a 100 data point free trial!
Download the DataLoggerXP software [here](#).

Calibration Reminders and Alerts

Tracking Calibration Intervals

Keeping track of the calibration intervals for all test equipment can be a challenging task in which human error can occur. Calibration stickers or certificates can be misplaced or lost, or the technician may not notice that the gauge is beyond its calibration dates. Even if a company has a system to keep track of these dates, it still requires somebody to notify the technician when re-calibrations are due. It also requires the technician to remove the gauge from service once they are notified.

In some industries, auditing of test equipment may result in significant fines if it's found that a gauge was used beyond its calibration due date.

Never Miss a Calibration Again with the XP2i

- Automatic Upcoming Calibration Reminders
- Automatic Calibration Due Date Alerts
- Customizable Reminder Time (in days or weeks)
- Optional Lock Out Feature to Prevent Use After Due Date

☒ Enable Calibration Messages

Multiple Options Available

Reminders

- Enter Due Date to Fit Your Company Standards
- Enter Notification Time Prior to Due Date (for example 2 weeks)

Due Alerts

- **Start-Up Only** "Cal Due" flashes during start-up. No additional warnings until powered again.
- **Alternate with Reading** "Cal Due" flashes during start-up and then alternates displaying "Cal Due" with the live pressure readings.
- **Always** "Cal Due" is displayed until a button is pressed. Note: Add password protection to make the gauge non-operational and always display "Cal Due" until calibrated.



☒ Enable Calibration Messages

Show Cal Warning: Days Before Cal Due

Cal Due On:

Show Cal Due:

- Gauge Startup
- Always
- Alternate with Readings

Special Functions



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Pressure Safety Valve Test



No more guess work. Simply enable this feature to increase your read rate to 8 times per second. XP2i captures and displays the relief pressure even if you're not looking at the gauge when the valve opens.

Leak Rate



On the Dual Line Display (-DD Model), view Leak Rate and Live Pressure at the same time.

Custom Units



Define custom pressure units with *ConfigXP*.
For example, you can define feet of seawater, tank level, or any torque (N-m or ft-lbs).

ACTIVATE ONLY The Features You Need

Simplify your XP2i with ConfigXP software by selecting only the functions you use. (ConfigXP is free at ametekcalibration.com) Store multiple configurations on your computer, or set all your XP2i gauges to work the same way.

Using ConfigXP with your XP2i you can:

- Enable only the units you use, or add custom units you need (for example: feet of seawater)
- Disable any button (except for Power and Backlight)
- Build and load task-specific configurations from your PC
- Copy a configuration to several gauges
- Password-protect to prevent changes
- And more...

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Easy to Use

No Menus. No Manual. No Problem.



Three buttons — that's all you need to operate the XP2i.

Understand every function two minutes after opening the box.



FITTINGS FOR LIFE

Removable CPF⁺ Adapter

Shifts everyday wear to a replaceable NPT, M20, or BSP adapter (included).

For more information about CPF visit ametekcalibration.com



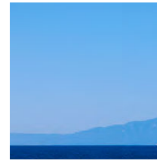
◆ U.S. Patent No. 8,794,677

You Can Read This Display Anywhere

- ▶ Large Display: Read From a Distance
- ▶ High Contrast Liquid Crystal: Read in Bright Sunlight
- ▶ Bright Backlight: Read in the Dark



Used Everywhere



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pressure

Trust Every Reading



Consistent Performance in the Coldest Places on Earth **Northern Canada**

In northern Canada, our customers perform hydrostatic testing during winter, when pipelines become accessible by snowcat. They count on the XP2i to be accurate and ready for work when they get there.



XP2i Proves Itself **East**

Oil workers on Middle East pipelines operate every day in the blowing sand, under the hot desert sun. They need a reliable, Intrinsically Safe pressure gauge that works as hard as they do. From pressure testing and equipment calibration to long-term recording, they choose the XP2i.



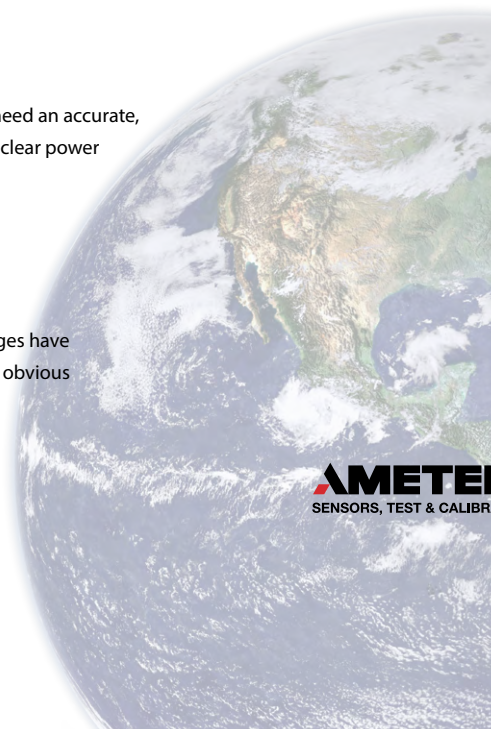
For Calibration Technicians with No Time to Waste **Nuclear Power**

Nuclear power technicians have limited time for testing, and no time for mistakes. They need an accurate, simple measuring tool that can be configured to specific tasks. XP2i is trusted in more nuclear power stations than any other similar product.



When the Right Tool Matters **North Sea**

Equipment on North Sea platforms must endure harsh conditions. Not only do their gauges have to withstand extreme weather and saltwater spray—they have to be accurate. XP2i is the obvious choice.



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Dear Pressure Gauge User,

Would you like to know exactly what makes such a significant difference when you use an XP2i? Have a look, and decide for yourself whether testing one in your operation is worth your time.

Typical Customer Experiences

A Quality Product

"We purchased three XP2i gauges, 18 months ago, because our mechanical test gauges kept breaking. We have been using our XP2i gauges ever since they arrived, without any problems."

A Broad Operating Range

"The first thing I noticed about the XP2i was the broad pressure range. I replaced 3 mechanical gauges. My technicians really appreciated carrying just one gauge instead of the three they were accustomed to."

Lower Cost of Ownership

"A few months ago, I was pleasantly surprised. The cost to recertify each XP2i was 1/3 of what I would pay for the 3 mechanical gauges we used before. And these XP2i gauges are so sturdy they hardly show any signs of wear. I expect them to last another 4-5 years, at least."

Training Made Easy

"Last week, I hired a new technician. I configured his XP2i with only the functions he needed, so it took us only 5 minutes to train him and he was ready to go."

A Remarkable Difference

"The time and money we saved with the XP2i is truly remarkable. Over the next year, I intend to replace all our gauges with XP2i gauges. They have made a tremendous difference for us."

We want you to know this experience is **typical** for our customers. At every tradeshow we attend, customers tell us about how the XP2i has improved the way they operate.

Try it For Yourself – You Won't Regret It!

Sincerely,

The Crystal Team

Safe & Reliable in Hazardous Environments

Every XP2i is certified Intrinsically Safe.

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

ATEX IECEx ia IIC T4/T3 Ga IECEx FTZU 12.0009X

Intrinsically Safe and Non-incendive for Hazardous Locations:
Class I, Division 1, Groups A, B, C and D, Temperature Code T3C
or T4/T3C. Maximum working pressure 15 000 psi.



Crystal products include a factory calibration report that proves it meets its specifications over the operating temperature range. The products described herein, are calibrated in Crystal's accredited Calibration Lab (NIST, Certificate #2601.01 ISO/IEC 17025) in an environmental chamber using fully automated equipment. Inclusion of the NIST logo symbol does not imply certification or approval of the product itself, but rather refers to Crystal's accreditation as a calibration facility.