

Have you  
compared  
CRYSTAL  
products  
lately?

# The old versus the **new**— Comparing the 2100 series with Crystal's new generation of digital pressure gauge technology



2120



XP2i

Plastic Case

0.1% of full scale accuracy

Requires a "pot tweaker" to zero the unit

2-3 available engineering units

Available in pressure ranges between 0 and 250 psi.

300 hour battery life

0.4" high display

Conventionally mounted electronics

Not intrinsically safe

No back-light

No RS232 port

Cost between \$819 - \$1279

Discontinued

Fully sealed ruggedized NEMA 4 rain-proof **stainless steel case** only 1.29" deep

0.1% **of reading** and fully temperature compensated (-10°C to 50°C – 14°F to 122°F)

Simple **push-button** zero

9 available engineering units, and peak high/low capture (great for testing pressure relief valves).

Available in pressure ranges between vacuum and 10,000 psi.

1500 hour battery life

0.65" high display

Innovative shock mount design isolated electronics for extra protection in rough environments

**Exia Intrinsically Safe**, Class 1, Division 1, Groups A, B, C & D, Temperature code T4

**Includes back-light**

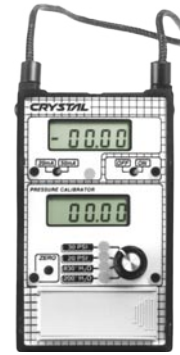
**Includes RS232 port**

**Cost between \$695 - \$945**

Optional features:

- Internal memory (for stand alone data logging)
- Panel Mounting (fits 4.5", 6" and 8.5" gauge cutouts)
- Dual Line Display (will display live and peak high/low pressures simultaneously)

[www.xp2i.com](http://www.xp2i.com)



2121



Model 31

Plastic Case

0.1% of full scale accuracy for pressure  
±0.05% of reading accuracy for mA

Requires a "pot tweaker" to zero the unit

2-3 available engineering units

Available in pressure ranges between 0 and 250 psi.

Not intrinsically safe

No RS232 port

Costs between \$979 and \$1279

**Aluminum Case** with soft carrying case

0.05% of reading and fully temperature compensated  
±0.025% of reading accuracy for mA

Simple **push-button** zero

9 available engineering units,

Available in pressure ranges between vacuum and 3600 psi.

**Intrinsically Safe**

Includes RS232 port

Cost between \$1095 and \$1195

Also available is the popular dual sensor Model 33 version.

To learn more about C R Y S T A L's complete line of digital pressure measurement solutions, call us at 1-800-444-1850, or visit us online at [www.crystalengineering.net](http://www.crystalengineering.net)

**PRESSURE is Our BUSINESS®**

CRYSTAL  
engineering corporation

© 2004 Crystal Engineering Corporation  
720 Aerovista Place, Suite B, San Luis Obispo, California 93401-8701

PN: 3218—Rev 0

# DIGITAL PRESSURE GAUGES

In 2001, Crystal Engineering introduced a breakthrough product that revolutionized the pressure measurement field - the DTG. We are proud to present the latest update of our original product: **The *XP<sup>2</sup>* Digital Test Gauge.**

## What's the difference?

### The Old...



### The DTG

Vacuum performance:  $\pm 2\%$

Stainless steel case 2.83" deep, not weatherproof

Thin plastic front covers LCD display

Mechanical pushbutton front panel switches

Internal batteries difficult to change - trim ring + 4 screws

Optional RS232 communications port

No hanging strap

Conventionally mounted electronics

Not intrinsically safe

Discontinued

### The New!



### The *XP<sup>2</sup>*

Vacuum performance:  $\pm 0.25\%$

**Fully sealed** ruggedized NEMA4 rain-proof stainless steel case: Only 1.29" deep!

Thick polycarbonate shield protects LCD display

More reliable integrated microswitch front panel pushbuttons

Easy battery changes via 2 screws on rear compartment cover

RS232 communications port **standard**

Velcro Hanging strap included

Innovative shock mount design isolates electronics for extra protection in rough environments

Available Intrinsically Safe and w/backlight

Patent pending

**PRESSURE  
is Our  
BUSINESS™**

**CRYSTAL**  
engineering corporation

720 Aerovista Place, Suite B, San Luis Obispo, CA 93401 U.S.A.

[www.crystalengineering.net](http://www.crystalengineering.net)

P R E S S U R E   M E A S U R E M E N T