

CRYSTAL
engineering corporation

CRYSTALCalXP
Calibration Lab in a Box!



Download
a Fully
Functional
30-Day
FastCalXP
Trial Version
For **FREE**
Today!

▶ **Portable Gauge
AND Transmitter
Calibration
System**

- ▶ Eliminates typing ▶ Reduces calculation errors
- ▶ FastCalXP software can also be used in Chinese, Japanese, Korean, French and German ▶ Easy to use and setup
- ▶ **Weather-proof rolling case, can be used as a portable bench (using the included straps)**
- ▶ Weighs just 35 lbs (16 kg) with equipment

▶ **7 TO 10 TIMES FASTER
THAN A Deadweight
Tester!**



www.crystalengineering.net/crystalcalxp

Crystal Engineering Corporation
708 Fiero Lane, Suite 9, San Luis Obispo, California 93401-8701, USA
805-595-5477 or 800-444-1850

► **CrystalCalxp** includes the following:

GaugeCalxp Pressure Comparator

- Pressure comparator rated up to 10,000 PSI (700 bar)
- Fine Adjust Kit
- Rebuild Kit (2)

Carrying Case

- Weather-proof, hard case with rolling wheels
- Includes 2 straps with cam locks, used to temporarily secure the comparator to the case or other surfaces

FastCalxp Calibration Software

- CD, Software License, Cable, and Manual
- Footswitch
- USB B receptacle to RS232 DB9M Adapter

Adapters (10,000 PSI / 700 bar rated)

- NPT Gauge Adapters (1/8" Female, 1/4" Female [3], 1/2" Female)
- BSPP Gauge Adapters (1/4" Female, 3/8" Female, 1/2" Female)

Adapters (5,000 PSI / 300 bar rated)

- NPT Quick-Connect Gauge Adapter Kit
- BSPP Quick-Connect Gauge Adapter Kit

NEW!
A 30 Series version is now available for transmitter calibration.
Contact CRYSTAL for more details.

► **CrystalCalxp Plus** includes everything above, plus three XP2i pressure gauges:

CrystalCalxp-PSI includes a
► 500 PSI, 2K PSI, and 10K PSI XP2i pressure gauge.

CrystalCalxp-bar includes a
► 30 bar, 140 bar, and 700 bar XP2i pressure gauge.

CrystalCalxp-kPa includes a
► 3K kPa, 14K kPa, and 70K kPa XP2i pressure gauge.

► **CrystalCalxp Plus Specifications**

Accuracy

- 0.1% of Reading accuracy, from 100 to 10,000 PSI (7 to 700 bar)

Power

- **Battery:** Three size AA (LR6) batteries.
- **Battery life:** 1500 hours (alkaline batteries)

Weight

- **Rolling case weight:** 19 lbs (8.5 kg).
- **Shipping weight:** 35 lbs (16 kg).

Dimensions

- 174.9 mm x 428.8 mm (7" x 17")

Test Media

- Water or Oil

Software

- FastCalXP

WARNINGS: These units are intrinsically safe only if powered by Rayovac Maximum Plus, Energizer E91, Energizer EN91, or Duracell MN 1500 batteries • Do not remove or change the batteries in a hazardous atmosphere • Do not use the RS-232 connector in a hazardous atmosphere • **SPECIAL CONDITIONS FOR SAFE USE:** If mounting in an area where the use of category 1 G apparatus is required, installation must be such, that, even in the event of rare incidents, ignition sources due to impact and friction sparks are excluded.

► **XP2i Pressure Ranges**

PSI	bar	kPa	Over-pressure	Pressure Units and Resolution								
				P/N Prefix	P/N Prefix	P/N Prefix	PSI	kg/cm ²	inch Hg	inch H ₂ O	mm Hg	kPa
500PSI	30BAR	3KKPA	2.0 x	0.01	0.001	0.1	1	1	0.1	0.001	1	
2KPSI	140BAR	14KKPA	2.0 x	0.1	0.01	0.1	n/a	n/a	1	0.01	n/a	
10KPSI	700BAR	70KKPA	1.5 x	1	0.01	n/a	n/a	n/a	1	0.01	n/a	

Unneeded pressure units may be disabled via the RS-232 connector using ConFigxp software • kPa models can display pressure in kPa (or mPa) and bar (or mbar) only. PSI and bar models can display all available units • An XP2i will indicate pressure up to 10% above Range Pressure. Above 110%, the XP2i display will flash, indicating that the applied pressure exceeds the calibrated pressure range. If the calibrated pressure range is exceeded, the pressure displayed may not be accurate.

► **Intrinsic Safety***



Exia Intrinsically Safe, Class I, Division 1 Groups A, B, C & D, Temperature Code T4



EEx ia IIC T4, KEMA 04 ATEX 1053 X CE 0344 II 1 G



IECEx Scheme Compliant IECEx CSA 05.0001/01X

* Intrinsic Safety does not apply when the gauges are connected to a computer.

► **CrystalCalxp Ordering Information**

CrystalCalxp

- P/NCRYSTALCALXP

CrystalCalxp Plus

- P/N CRYSTALCALXP-PSI
- P/N.....CRYSTALCALXP-bar
- P/N..... CRYSTALCALXP-kPa

