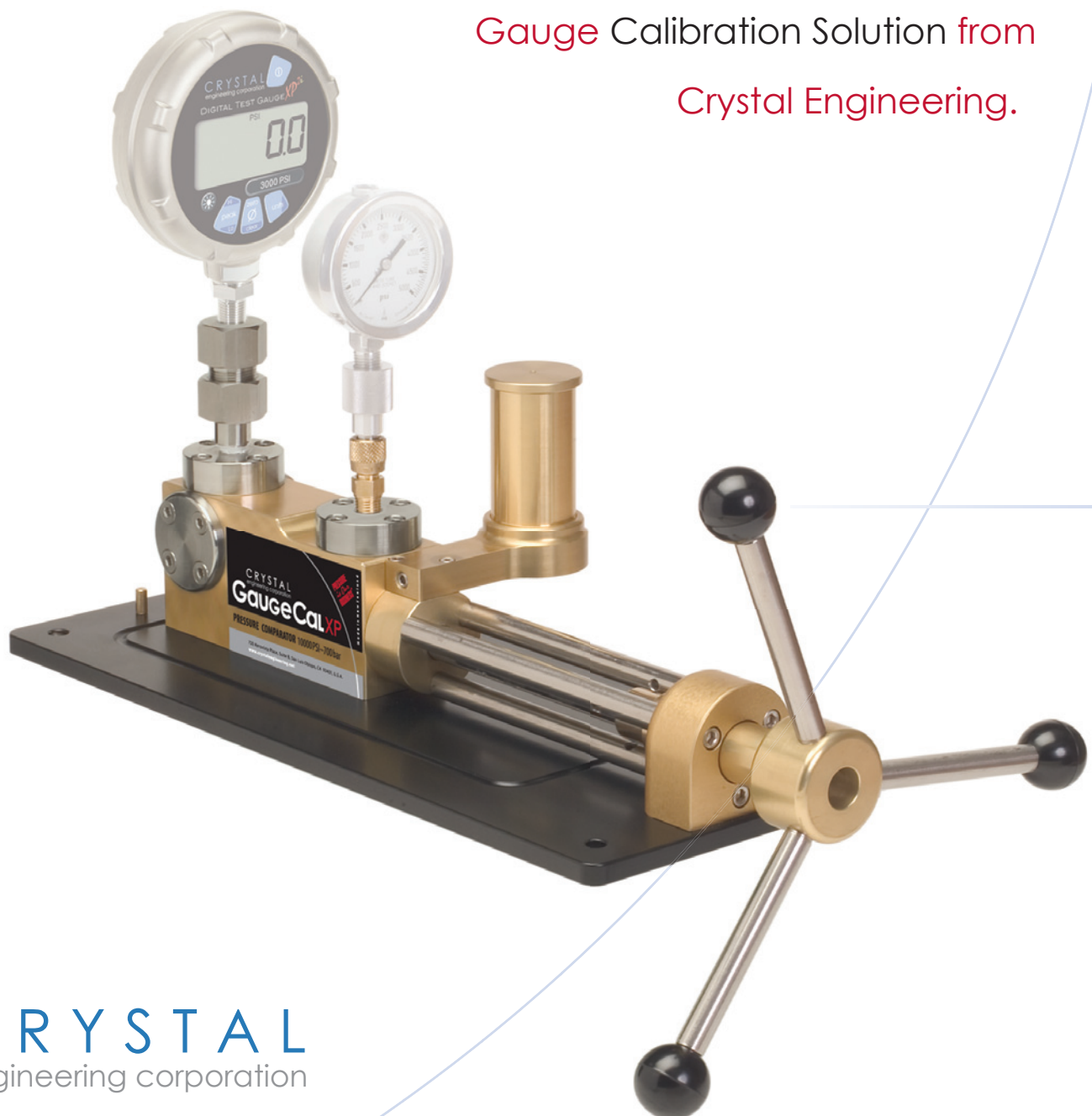


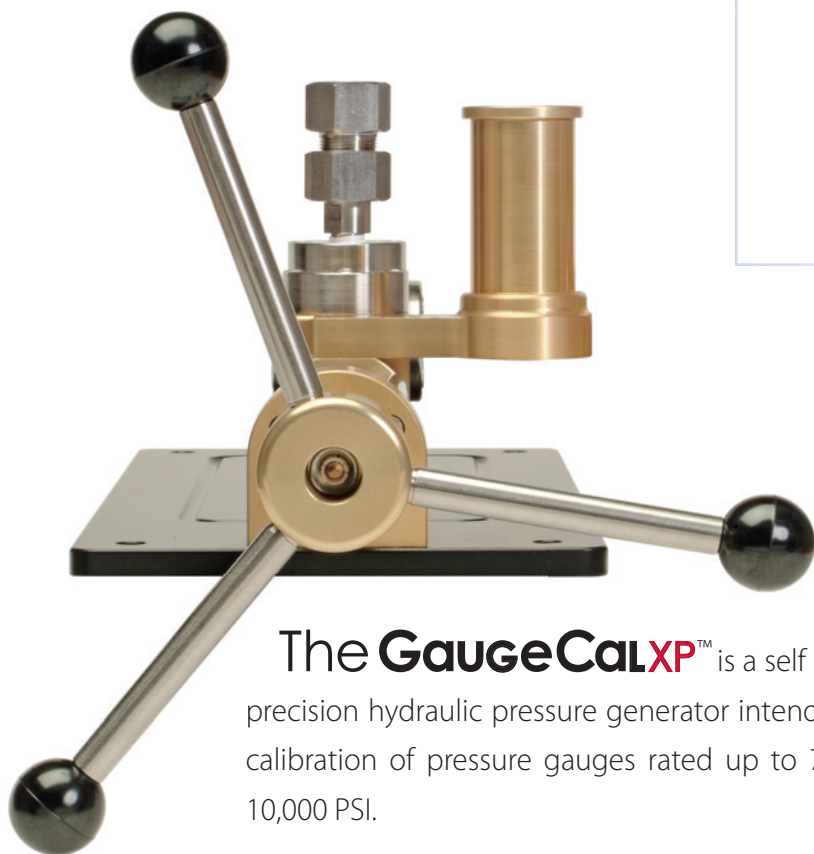
Introducing the **GaugeCalXP™**

PRESSURE COMPARATOR 10000PSI-700bar

The Fast, Portable,
Low Cost, Easy-to-Operate,
Gauge Calibration Solution from
Crystal Engineering.



CRYSTAL
engineering corporation



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.

Two pressure ports are provided. Connect a reference grade gauge on one port (we recommend an **XP2i** from Crystal Engineering) and the gauge to be tested on the second port. Rotate the handle clockwise until the desired pressure is generated. Then, compare the displayed pressure values between the reference gauge and the gauge under test.

Pressure can be set very quickly and precisely. Gauges can be calibrated in less than ten minutes—5 to 10 test points, increasing and decreasing pressure. The comparator can be filled with your choice of fluid: water, oil, or isopropyl alcohol.

The **GaugeCalXP** is much, much faster to use than a deadweight tester, and it's also faster than most automated pressure controllers, but it costs much less than either. It's so quick and easy to use, it's ideal to calibrate those low cost gauges that are often overlooked for ISO9000 compliance. The features and performance of the **GaugeCalXP** make it the perfect solution for even your most demanding gauge calibration requirements.

Features

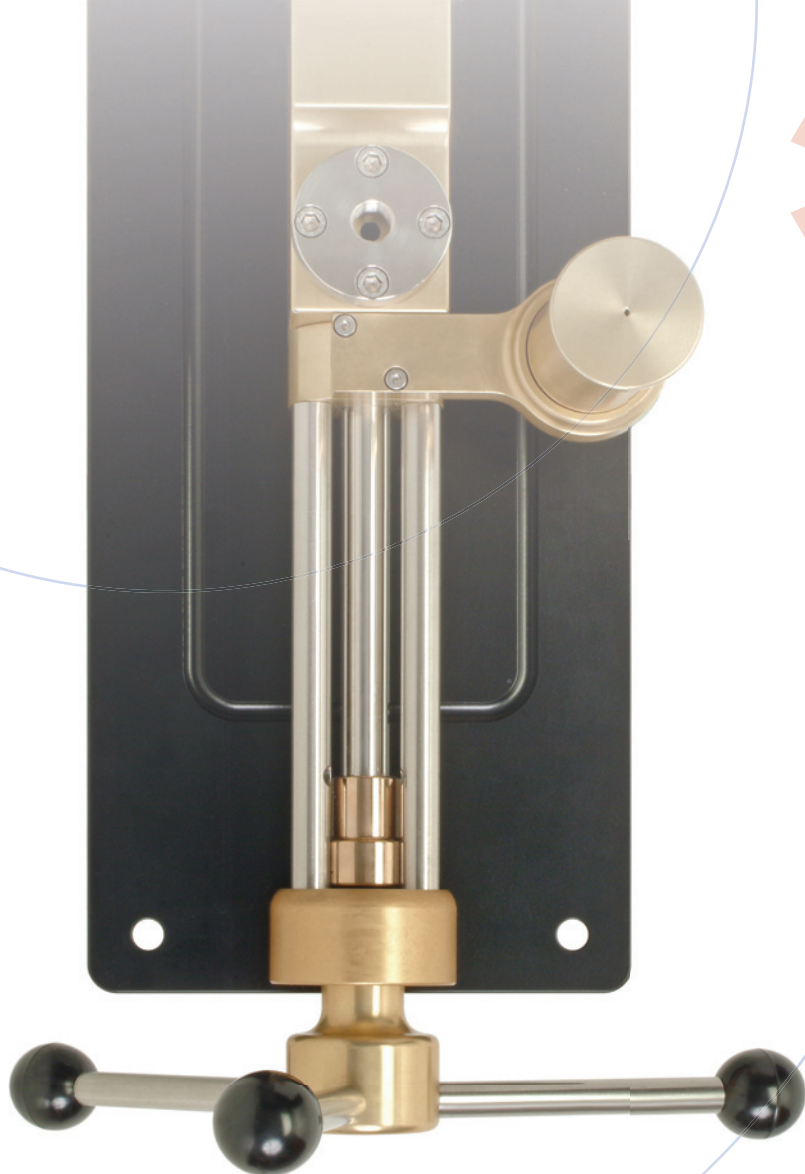
Portability: With a small footprint of just 174.9mm x 428.8mm (7" x 17"), the GaugeCalXP can be mounted just about anywhere. An optional rolling case is available for the GaugeCalXP, with room for gauges, fittings and miscellaneous accessories you might need for a portable gauge calibration workshop.

Ease of Operation: Pressure is precisely set with a simple turn of the handle, allowing you to calibrate gauges quickly and accurately.

Performance: The GaugeCalXP is capable of generating pressures up to 700 bar/10,000 PSI. An optional Fine Adjust accessory is also available from Crystal Engineering. **You can use the GaugeCalXP pressure generator without fluid for calibrating differential pressure transmitters.** Imagine smooth, continuous pressure generation to 400 inches H₂O (995 mbar) to within 0.01 inches (0.025 mbar) without fear of over pressurization. It makes calibrating DP transmitters fast, safe and easy.

Low Cost: Though it offers fast, easy, and accurate gauge calibration, the GaugeCalXP costs much less than deadweight testers and automated pressure controllers.

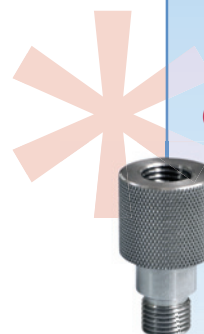
Flexibility: The GaugeCalXP is suitable for use with not only oil, but also with isopropyl alcohol and water, allowing for the clean and safe calibration of most any type of gauge.



Fast and Easy Operation

Once you have filled the reservoir with the appropriate test fluid and installed the gauges*, using the **GaugeCal^{XP}** Pressure Comparator is as **easy as 1-2-3**.

- 1 Turn on the XP21** digital test gauge and then select the pressure units required for the gauge you want to test—metric, bar, kPa, or PSI.
- 2 Start the test** by applying pressure to the gauges. To increase the pressure, wind the handle in a clockwise direction. To decrease the pressure, wind the handle in the opposite direction.
- 3 Compare the pressure readings** on the gauge you are testing, to those on the XP2i test gauge, and then record the results.



QUICKChange Artist

Optional Quick-Connect fittings allow for **fast and easy** gauge changes—

without any tools or thread tape!

Simply **finger tighten**, and the connection will be **leak free**, up to **5000 PSI (350 Bar)**.

Available for both NPT and BSPP. Refer to the Optional Accessories chart on the following page.

Specifications

Performance

Maximum Pressure..... 10,000 PSI / 700 BAR

Minimum Pressure..... 5 PSI / 0.5 BAR

Burst Pressure..... >20,000 PSI / 1400 BAR

Materials

Ram/Adapters..... 316SS

Body..... Aluminum

Seals..... Buna N (Nitrile)

Test Media..... Water or Oil

Dimensions

Width (of base)..... 174.8mm (6.88")

Length (of base)..... 428.8mm (16.88")

Length (overall)..... 495.3mm (19.50")

Weight..... 6.441kg (14.2 lbs)

Accessories (included)

Adapters..... 1/4 and 1/2 NPT std.

Wrenches..... 2

Shipping Information

Shipping Weight..... 8.618kg (19 lbs)

Dimensions.... 558.8mm x 304.79mm x 228.6mm
(22.0" x 12.0" x 9.0")

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Ordering Information for the GaugeCal^{XP} and related optional accessories

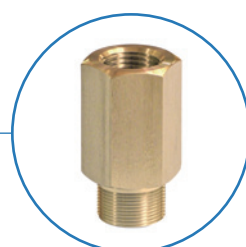
Kit p/n	Individual Component p/n
GaugeCal^{XP} Pressure Comparator	
3205	Fine Adjust Kit for GaugeCal ^{XP} ○
3143	Rebuild Kit for GaugeCal ^{XP}
3395	Rolling Case for GaugeCal ^{XP} ○

Up to 10,000 PSI—700 bar

3134	1/8" Female NPT Gauge Adapter
3116	1/4" Female NPT Gauge Adapter (included) ○
3117	1/2" Female NPT Gauge Adapter (included)
3137	1/4" BSPP Gauge Adapter
3135	1/2" BSPP Gauge Adapter
3136	3/8" BSPP Gauge Adapter

Up to 5,000 PSI—350 bar

3183	NPT Quick-Connect Gauge Adapter Kit
3125	Quick-Connect 1/8" Female NPT Gauge Adapter
3126	Quick-Connect 1/4" Female NPT Gauge Adapter ○
3127	Quick-Connect 1/2" Female NPT Gauge Adapter
3254	1/4" Male NPT Stem Adapter ○
3188	BSPP Quick-Connect Gauge Adapter Kit
3254	1/4" Male NPT Stem Adapter ○
3184	Quick-Connect 1/8" BSPP Gauge Adapter
3185	Quick-Connect 1/4" BSPP Gauge Adapter ○
3186	Quick-Connect 3/8" BSPP Gauge Adapter
3187	Quick-Connect 1/2" BSPP Gauge Adapter
1810	PTFE Thread Tape, 6mm (1/4") wide



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 Email us at sales@crystalengineering.net
 Visit us on the web at www.crystalengineering.net

PRESSURE is Our BUSINESS™

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