Crystal pressure

PERFORMANCE

Maximum Hydraulic Pressure:	**15 000 psi / 1000 bar / 100 MPa**
Vacuum:	**-12.5 psi / -0.86 bar / -86.2 kPa**
Maximum Pneumatic Pressure:	**400 inH$_2$O / 995 mbar / 29 inHg**
Sensitivity (fine adjust):	**0.01 inH$_2$O / 0.025 mbar**
Burst Pressure:	**> 25 000 psi / 1700 bar / 170MPa**

MATERIALS

Wetted Materials:	**Stainless Steel plus Seals and Acrylic Reservoir**
Enclosure:	**Anodized Aluminum**
Seals:	**Buna N (Nitrile), Viton, and Urethane**
Test Media:	**Water, Oil, or Air**

DIMENSIONS

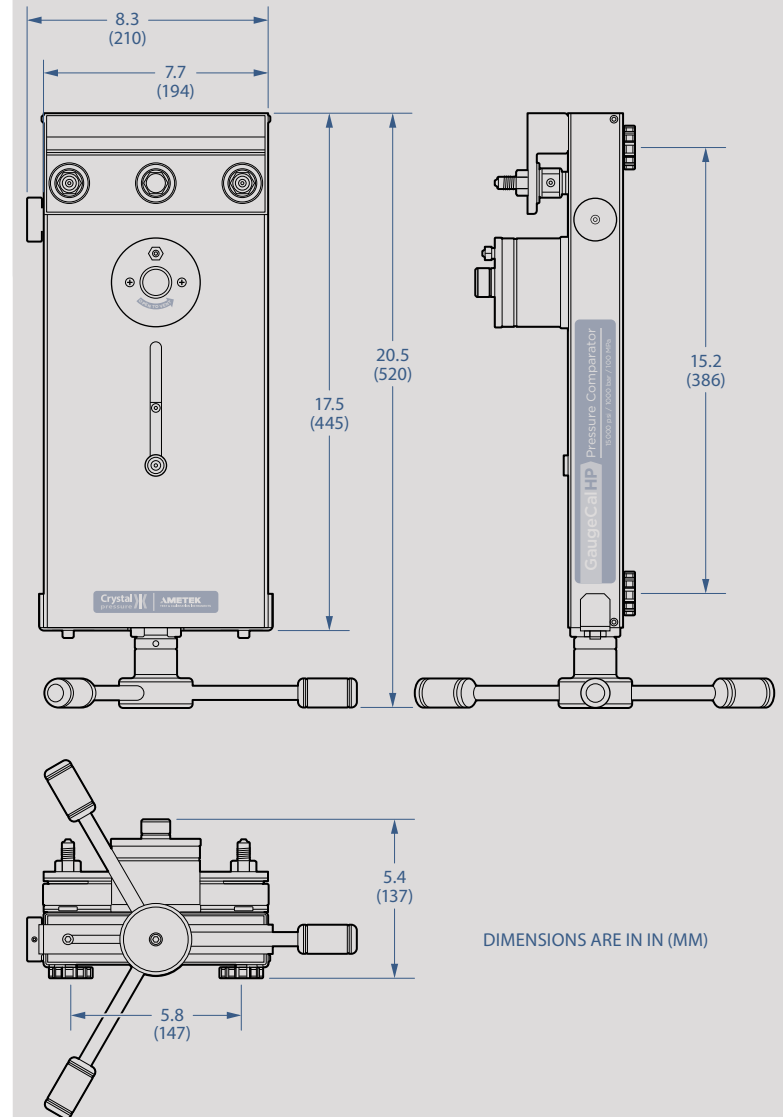|	
Width:	**8.3 in (210 mm)**
Length:	**20.5 in (520 mm)**
Height (base):	**5.5 in (140 mm)**
Height (with handles):	**11 in (280 mm)**
Weight:	**20 lbs (9 kg)**
Piston Stroke Volume:	**0.8 in^3 (13.1 cm^3)**
Reservoir Volume:	**10.8 in^3 (176.9 cm^3)**

CONNECTIONS

CPF Male (installed):	**MAWP 15 000 psi / 1000 bar / 100MPa**
MPF15K-1/4FPT:	**MAWP 15 000 psi / 1000 bar / 100MPa**

1/4" medium pressure tube system compatible with HiP LM4 and LF4 Series; and Autoclave Engr SF250CX Male and Female Series.

2 port pivoting manifold allows calibration of large gauges.

DIMENSIONS ARE IN IN (MM)

AMETEK®
TEST & CALIBRATION INSTRUMENTS

ORDERING

P/N GaugeCalHP: **GaugeCalHP Pressure Comparator**

Pressure Comparator, two CPF male fittings (installed), and one 1/4" FNPT adapter (P/N MPF15K-1/4FPT).

ACCESSORIES

P/N 5102: **Fine Adjust** (included)

P/N 5101: **Rolling Case**

Two MPF-CAP fittings to prevent leaks while in transit, two hold-down straps, and fluid bottle.

P/N FASTCALXP: **Gauge and Transmitter Calibration Software**

FastCalXP software, USB Security Key, CD, USB-RS232 adapter, and 30 series RS232 cable.

P/N 3327: **USB Footswitch for FastCalXP**

P/N 5103: **Rebuild kit**

COMPLEMENTARY PRODUCTS

Crystal Engineering offers a wide range of products that work with the GaugeCalHP:

- Fittings that connect without tools, safely and without leaks

- Lightweight, super flexible high pressure hoses

- Fitting kits and adapters

- Digital Test Gauge

- Reference Recorder

- Pressure Calibrator

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5189.A **GaugeCalHP Data Sheet**

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