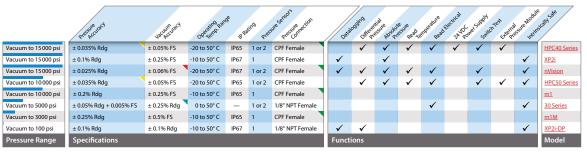


Advantages

- Easy to Use
- Rugged Field Use Design
- Temperature Compensated
- 1-3 Year Recommended
- Record and Store Tests
- Free Calibration & Configuration
- Innovative Patented Technology
- ISO17025 Accredited Calibration
- Intrinsically Safe

► Handheld Pressure Calibrators



From 18 to 28° C. Typical. Plus either 0.004 or 0.01 psi. 1/4" NPT M, 1/4" BSP M, or M20 M adapter included. 1/4" NPT M and 1/4" BSP M adapters included.

Deadweight Testers

	Standard use Accuracy	Optoral ure treet	Makinum	e Minimum	ure Minimur	President Resident	Orași bi	stor Dual Av	Junit State Tripod	Impatbility Sm. W	jenental Jenental Jenental	sulic Pres	umatic Self C	Ontained Self Re	Julating Induced	rying Case
10 psi to 15 000 psi	± 0.015% Rdg	± 0.025%, ± 0.1%	15 000 psi	10 psi	5 psi	1/4" and 1/2" NPT F	✓	✓		✓	✓		✓		1	Type T Serie
10 psi to 3000 psi	± 0.1% Rdg	± 0.05%	3000 psi	10 psi	0.1 psi	1/4" NPT F	✓		✓		✓		✓		✓	HL Series
10 psi to 1500 psi	± 0.025% Rdg	_	1500 psi	10 psi	1 psi	7/16-20 37° AN4 M						✓		✓		HK Series
4 inH ₂ O to 301 psi	± 0.05% Rdg	± 0.025%, ± 0.015%	301 psi	4 inH ₂ O	1 inH ₂ O	1/8" NPT F			✓	✓		✓		✓	✓	RK Series
4 inH ₂ O to 30 psi	± 0.05% Rdg	± 0.025%, ± 0.015%	30 psi	4 inH ₂ O	1 inH ₂ O	1/4" NPT F			✓	✓		✓		✓	✓	PKII Series
Pressure Range	Specification	Funct		Model*												

With installed adapter to 1/4 tube fitting. 🧪 Not included with dual column or 0.015% accuracy. These units are supplied with bench top column mounting plate and tubing.

Rev C 1910



Of Reading Accuracy

Our gauge accuracy is defined as "percent of reading". For a gauge with 0.1 percent of reading accuracy that displays 100 psi would be accurate to \pm 0.1 psi at that pressure. At 50 psi, the same gauge would have an accuracy of \pm 0.05 psi (twice as accurate). This versatility is why one of our gauges can replace 3 to 5 standard "of scale" rated gauges.

Temperature Compensation

Our active temperature compensation corrects sensors for changes in temperature within our specified ranges (up to -20 to 50°C). Without temperature compensation, the additional errors can quickly overwhelm the basic specification at common working temperatures.

Floating Ball Testers

While in operation, our pneumatic tester's ball and weights float freely, which is virtually frictionless, supported only by a thin film of air. This eliminates the necessity to rotate the weights during testing and allows the user to concentrate on the instrument calibration.

Self-Regulating Design

The instrument's built-in flow regulator automatically adjusts the input air flow to maintain the ball and weights in a float position. The regulator also compensates for variations in pressure from the air supply. Simply add or remove weights to generate your target

Leak-free Seal up to 10 000 psi

Our patented CPF fitting design maintains a leak-free seal up to 10 000 psi, with only finger-tightening. Improve safety with a self-venting weep hole, which alerts you, by leaking gas or test fluid, before you fully disconnect from a pressurized system. Each of our products either includes CPF fittings as standard, or can be adapted to our CPF line.

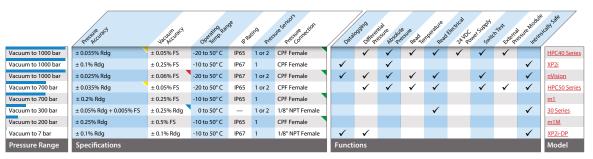
^{*} CPF connections are available for all deadweight tester models.

AMETEK® TEST & CALIBRATION INSTRUMENTS

Advantages

- Easy to Use
- Rugged Field Use Design
- Temperature Compensated
- 1-3 Year Recommended
- Calibration Intervals
- Record and Store Tests
- Free Calibration & Configuration
 Settuare
- Innovative Patented Technology
- ISO17025 Accredited Calibration
- Intrinsically Safe

► Handheld Pressure Calibrators



From 18 to 28°C. Typical. Plus either 0.0003 or 0.001 bar. 1/4" NPT M, 1/4" BSP M, or M20 M adapter included. 1/4" NPT M and 1/4" BSP M adapters included

▶ Deadweight Testers

	standard use Recuraci	Optional sure party	Matimum	e Minimum	ure Minimur	Presune cton	Qui	Pistor Dual	Solution Tripod	ampathity Sm. W	genental geight Sets	Julic Pre	imatic Self C	ontained Self Re	adating Indude	rying Case		
1 bar to 1000 bar	± 0.015% Rdg	± 0.025%, ± 0.1%	15 000 psi	10 psi	5 psi	1/4" and 1/2" NPT F	✓	✓		✓	✓		✓		✓	Type T Series		
1 bar to 225 bar	± 0.1% Rdg	± 0.05%	3000 psi	10 psi	0.1 psi	1/4" NPT F	✓		✓		✓		✓		✓	HL Series		
0.5 bar to 100 bar	± 0.025% Rdg	_	1500 psi	10 psi	1 psi	7/16-20 37° AN4 M						✓		✓		HK Series		
10 mbar to 20 bar	± 0.05% Rdg	± 0.025%, ± 0.015%	301 psi	4 inH ₂ O	1 inH ₂ O	1/8" NPT F			✓	✓		✓		✓	✓	RK Series		
10 mbar to 2 bar	± 0.05% Rdg	± 0.025%, ± 0.015%	30 psi	4 inH ₂ O	1 inH ₂ O	1/4" NPT F			✓	✓		✓		✓	✓	PKII Series		
Pressure Range	Specifications (See the Data Sheets for complete specifications.)								Functions									

With installed adapter to 1/4 tube fitting. Not included with dual column or 0.015% accuracy. These units are supplied with bench top column mounting plate and tubing.

Rev C 1910

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Floating Ball Testers

While in operation, our pneumatic tester's ball and weights float freely, which is virtually frictionless, supported only by a thin film of air. This eliminates the necessity to rotate the weights during testing and allows the user to concentrate on the instrument calibration.

Self-Regulating Design

The instrument's built-in flow regulator automatically adjusts the input air flow to maintain the ball and weights in a float position. The regulator also compensates for variations in pressure from the air supply. Simply add or remove weights to generate your target pressure.

Leak-free Seal up to 700 bar

Our patented CPF fitting design maintains a leak-free seal up to 700 bar, with only finger-tightening. Improve safety with a self-wenting weep hole, which alerts you, by leaking as or test fluid, before you fully disconnect from a pressurized system. Each of our products either includes CPF fittings as standard or can be adapted to our CPF line.

^{*} CPF connections are available for all deadweight tester models.



Advantages

- Easy to Use
- Rugged Field Use Design
- Temperature Compensated
- 1-3 Year Recommended
- Calibration Intervals
- Record and Store Tests
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 Software
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► Handheld Pressure Calibrators

	preside product	Vacuum lacy	Operating Rang	3º PA	Jing Press	sure Sensors		Datal	aging Differen	ntial esqui	e pead	imperature Read	Hectrical 24 P	Jules Supply	in lest	d style Module	sidny safe
Vacuum to 100 MPa	± 0.035% Rdg	± 0.05% FS	-20 to 50° C	IP65	1 or 2	CPF Female	I		✓	✓	✓	✓	✓	✓	✓		HPC40 Series
Vacuum to 100 MPa	± 0.1% Rdg	± 0.25% FS	-10 to 50° C	IP67	1	CPF Female	П	✓		✓						✓	XP2i
Vacuum to 100 MPa	± 0.025% Rdg	± 0.06% FS	-20 to 50° C	IP67	1 or 2	CPF Female	П	✓	✓	✓	✓	✓		✓		✓	<u>nVision</u>
Vacuum to 70 MPa	± 0.035% Rdg	± 0.05% FS	-20 to 50° C	IP65	1 or 2	CPF Female	П		✓	✓	✓	✓		✓	✓	✓	HPC50 Series
Vacuum to 70 MPa	± 0.2% Rdg	± 0.25% FS	-10 to 50° C	IP65	1	CPF Female	I										<u>m1</u>
Vacuum to 30 MPa	± 0.05% Rdg + 0.005% FS	± 0.25% Rdg	0 to 50° C	_	1 or 2	1/8" NPT Female	П					✓				✓	30 Series
Vacuum to 20 MPa	± 0.25% Rdg	± 0.5% FS	-10 to 50° C	IP65	1	CPF Female	I										m1M
Vacuum to 700 kPa	± 0.1% Rdg	± 0.1% Rdg	-10 to 50° C	IP67	1	1/8" NPT Female	П	✓	✓							✓	XP2i-DP
Pressure Range	Specifications	Functions															

From 18 to 28° C. Typical. Plus either 0.03 or 0.1 kPa. 1/4" NPT M, 1/4" BSP M, or M20 M adapter included. 1/4" NPT M and 1/4" BSP M adapters included.

▶ Deadweight Testers

	standard ure accuracy	Optored the tack	Mathrum	e Minimum	Mininur	ender Resident Resident	Oud pi	stor Dual A	Junit Pripod	modibility Sm.W	enental editset	Julic Presi	Amaric Self C	ontained Self Res	Julating Indude	rying Case		
100 kPa to 100 MPa	± 0.015% Rdg	± 0.025%, ± 0.1%	15 000 psi	10 psi	5 psi	1/4" and 1/2" NPT F	✓	✓		✓	✓		✓		✓	Type T Series		
100 kPa to 22.5 MPa	± 0.1% Rdg	± 0.05%	3000 psi	10 psi	0.1 psi	1/4" NPT F	✓		✓		✓		✓		✓	HL Series		
50 kPa to 10 000 kPa	± 0.025% Rdg	_	1500 psi	10 psi	1 psi	7/16-20 37° AN4 M						✓		✓		HK Series		
1 kPa to 2011 kPa	± 0.05% Rdg	± 0.025%, ± 0.015%	301 psi	4 inH ₂ O	1 inH ₂ O	1/8" NPT F			✓	✓		✓		✓	✓	RK Series		
1 kPa to 200 kPa	± 0.05% Rdg	± 0.025%, ± 0.015%	30 psi	4 inH ₂ O	1 inH ₂ O	1/4" NPT F			✓	✓		✓		✓	✓	PKII Series		
Pressure Range	Specifications (See the Data Sheets for complete specifications.)								Functions									

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Leak-free Seal up to 100 MPa

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