

## ACCURACY

**\*\* Accuracy:**  $\pm(0.015\%$  of reading<sup>\*</sup>),  $\pm(0.025\%$  of reading<sup>\*</sup>), or  $\pm(0.05\%$  of reading)

Repeatability:  $\pm 0.005\%$  of reading

Temperature Coefficient:  $\pm 0.00167\%$  of rdg / °C outside of 23°C

<sup>\*</sup> Down to 10 inH<sub>2</sub>O.

$\pm(0.05\%$  of reading) below 10 inH<sub>2</sub>O

**\*\* See ordering information for details.**

## WEIGHT MASSES

Pressure Range: **0.145 to 30 psi / 1 to 200 kPa**

Gravity: **9.80655 m/s<sup>2</sup> (International standard)**  
**Local Gravity (Specify)**

Available Units: **psi, g/cm<sup>2</sup>, mbar, bar, inH<sub>2</sub>O, cmH<sub>2</sub>O, mmHg**

Water Column Reference: **20°C (ISA standard)**  
**60°F (AGA standard, specify when ordering)**

## PRESSURE SOURCE

Source: **Nitrogen or Instrument /Shop air** ♦

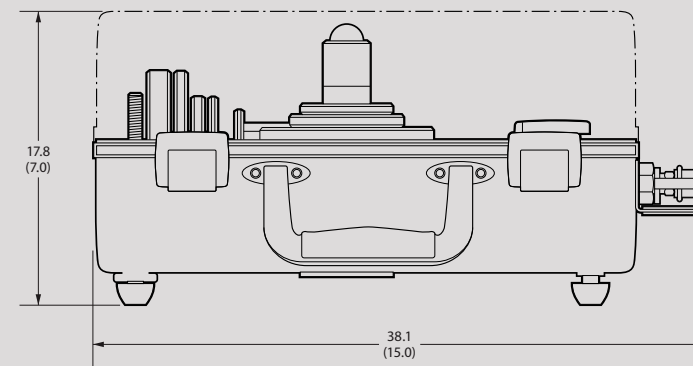
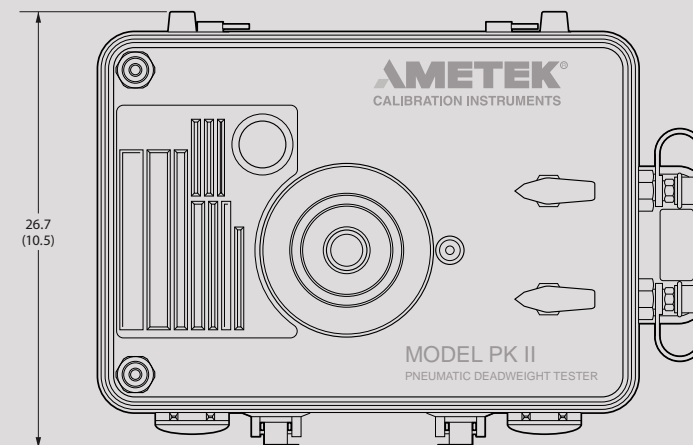
Maximum Supply Pressure: **100 psi / 689 kPa**

Minimum Supply Pressure: **30 psi / 206 kPa** ♦♦

Flow Rate: **1 scfh at 0.15 psi / 28 slh at 1 kPa output**  
**1 scfh at 20 psi / 310 slh at 200 kPa output**

♦ ISA quality standard 7.3.

♦♦ Or 150% of desired output pressure.



ALL DIMENSIONS IN CM (IN)

Models 304 and 404.

## ENCLOSURE

Small Case Dimensions (L x W x H): **15 x 10.5 x 7 in (38.1 x 26.7 x 17.8 cm)**

Large Case Dimensions (L x W x H): **15 x 14.5 x 9 in (38.1 x 36.8 x 22.9 cm)**

Weight: **to 28 lb (12.7 kg)**

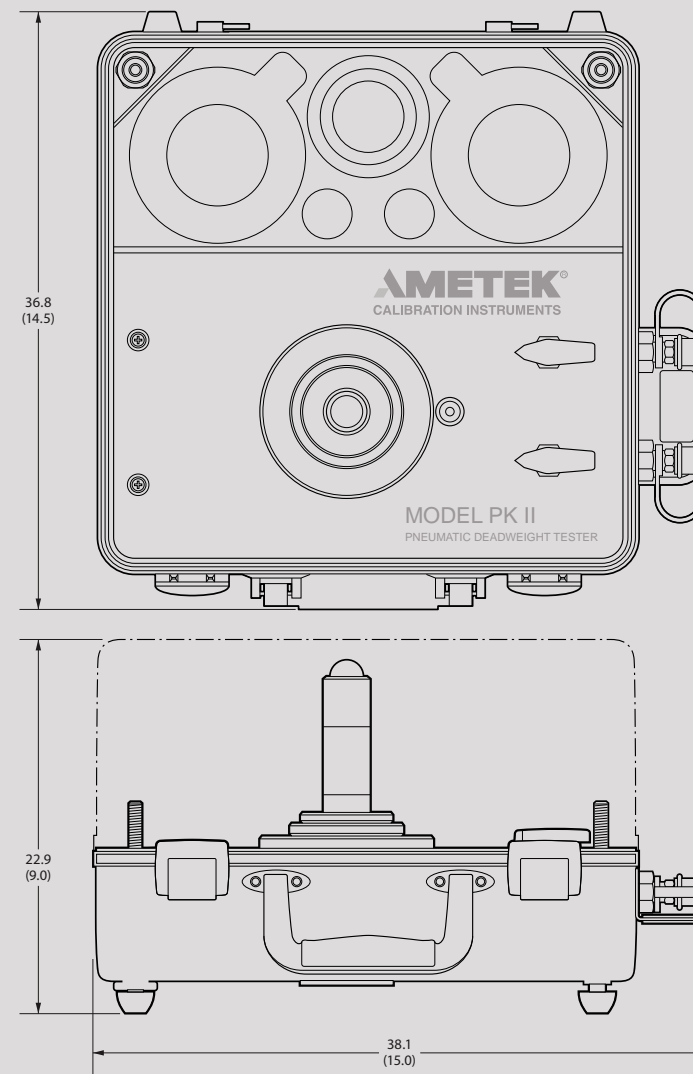
*See the Models, Specifications, and Options table for details.*

## MATERIAL AND CONNECTION

Weight Masses: **Stainless Steel (as standard)**  
**Aluminum (small incremental weights)**

Ball: **Ceramic**

Connection: **1/4" Female NPT (with installed adapter to 1/4 tube fitting)**



ALL DIMENSIONS IN CM (IN)

Models 20SS, 30SS, 250WC, 650WC, 654WC, 850WC, 854WC, 2000GM, 2010GM, 200N, 201N, 325MMHG, 500CM, 1000CM, 1500CM, 2000CM, 700MB, 2B, and 2B01.

## MODELS, SPECIFICATIONS, AND OPTIONS

| Model         | Certified Range               | Increment             | Weight Carrier and Ball Output |
|---------------|-------------------------------|-----------------------|--------------------------------|
| PK2-20-SS     | 1 to 20 psi                   | 1 psi                 | 1 psi                          |
| PK2-30-SS     | 1 to 30 psi                   | 1 psi                 | 1 psi                          |
| PK2-2000GM-SS | 25 to 2000 g/cm <sup>2</sup>  | 25 g/cm <sup>2</sup>  | 25 g/cm <sup>2</sup>           |
| PK2-2010GM-SS | 10 to 2000 g/cm <sup>2</sup>  | 5 g/cm <sup>2</sup>   | 10 and 25 g/cm <sup>2</sup>    |
| PK2-700MB-SS  | 10 to 700 mbar                | 20 mbar               | 20 mbar                        |
| PK2-2B-SS     | 0.02 to 2 bar                 | 0.02 bar              | 0.02 bar                       |
| PK2-2B.01-SS  | 0.01 to 1 bar                 | 0.005 bar             | 0.01 and 0.02 bar              |
| PK2-200N-SS   | 2 to 200 kPa                  | 2 kPa                 | 2 kPa                          |
| PK2-201N-SS   | 1 to 200 kPa                  | 0.5 kPa               | 1 and 2 kPa                    |
| PK2-250WC-SS  | 10 to 250 inH <sub>2</sub> O  | 10 inH <sub>2</sub> O | 10 inH <sub>2</sub> O          |
| PK2-304WC-SS* | 4 to 304 inH <sub>2</sub> O   | 1 inH <sub>2</sub> O  | 4 inH <sub>2</sub> O           |
| PK2-404WC-SS* | 4 to 404 inH <sub>2</sub> O   | 1 inH <sub>2</sub> O  | 4 inH <sub>2</sub> O           |
| PK2-650WC-SS  | 10 to 650 inH <sub>2</sub> O  | 10 inH <sub>2</sub> O | 10 inH <sub>2</sub> O          |
| PK2-654WC-SS  | 4 to 654 inH <sub>2</sub> O   | 1 inH <sub>2</sub> O  | 4 and 10 inH <sub>2</sub> O    |
| PK2-850WC-SS  | 10 to 850 inH <sub>2</sub> O  | 10 inH <sub>2</sub> O | 10 inH <sub>2</sub> O          |
| PK2-854WC-SS  | 4 to 854 inH <sub>2</sub> O   | 1 inH <sub>2</sub> O  | 4 and 10 inH <sub>2</sub> O    |
| PK2-500CM-SS  | 10 to 500 cmH <sub>2</sub> O  | 10 cmH <sub>2</sub> O | 10 cmH <sub>2</sub> O          |
| PK2-1000CM-SS | 10 to 1000 cmH <sub>2</sub> O | 10 cmH <sub>2</sub> O | 10 cmH <sub>2</sub> O          |
| PK2-1500CM-SS | 10 to 1500 cmH <sub>2</sub> O | 10 cmH <sub>2</sub> O | 10 and 25 cmH <sub>2</sub> O   |
| PK2-2000CM-SS | 10 to 2000 cmH <sub>2</sub> O | 10 cmH <sub>2</sub> O | 10 and 25 cmH <sub>2</sub> O   |
| PK-325MMHG-SS | 10 mmHg to 325 mmHg           | 1mmHg                 | 10 mmHg                        |

\* Small case models. All others are large case models.

## ORDERING INFORMATION

### Sample Part Numbers

**PK2-20-SS** ..... 0.05 % of reading, 1 to 20 psi range.  
**PK2-2B-SS** - /C ..... 0.05 % of reading, 0.02 to 2 bar range, with test data.  
**PK2-850WC-SS** - 1A/C ..... 0.015 % of reading, 10 to 850 inH<sub>2</sub>O range, with test data.

### Calibration and Accuracy Options

(specify standard or local gravity)

| Suffix | Accuracy              | Data |
|--------|-----------------------|------|
| (omit) | ± (0.05% of reading)  | ○    |
| /C     | ± (0.05% of reading)  | ●    |
| -1B    | ± (0.025% of reading) | ○    |
| -1B/C  | ± (0.025% of reading) | ●    |
| -1A    | ± (0.015% of reading) | ○    |
| -1A/C  | ± (0.015% of reading) | ●    |

○ Standard traceable certificate.

● Includes effective area, nominal pressure, and actual pressure data.

## STANDARD DELIVERY

- Tester base with case
- Weight Set
- Manual
- NIST Traceable Certificate
- Tubing Kit **P/N K-1082**

## ACCESSORIES

Gauge Pointer Puller Set **P/N 1GT-99**

Tripod **P/N K-1562**

Adapter to CPF Fitting Line **P/N MPF-1/4TBM**

CPF Hose **P/N P/N MPH-1** (additional sizes and custom lengths available)

Small Incremental Weights for psi and inH<sub>2</sub>O models only

Conversion Weight Sets convert to different model (eg. psi to bar)

## COMPLEMENTARY PRODUCTS

AMETEK offers a wide range of products that work with the PKII:

- Fittings that connect without tools, safely and without leads
- Lightweight, super flexible high pressure hose
- Digital Test Gauge
- Reference Recorder
- Pressure Calibrator

Contact:  
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