Honeywell



Model AK Digital Pressure Test Gauge

DESCRIPTION

The hand-held Model AK is an in-progress gauge or portable calibrator and delivers long-lasting, enhanced accuracy performance. Accuracy of 0.05 % coupled with an enhanced resolution, 4½-digit display makes this unit an excellent transfer standard for calibrating pressure measuring equipment.

The AK is rugged and features high/low pressure capture with a field-adjustable update rate from three to 10 times per sec-

ond. These units are manufactured from stainless steel and use sensor technology which has no moving parts, requires little recalibration and has excellent overpressure tolerance. Optional NEMA 4 rating extends the operating temperature to -18 °C to 82 °C [0 °F to 180 °F]. Units of measure are field-selectable and the unit is offered with gage, absolute, vacuum, or compound reference.

* with optional NEMA 4 rating

FEATURES

- High accuracy: 0.05 % full scale
- 0 °F to 180 °F operating temperature*
- Enhanced resolution
- Stainless steel construction
- Field-selectable units of measure
- 41/2 digit display with 0.5 in height
- Customer recalibration
- On/Off switch
- CE compliant (certain models, consult factory)
- NEMA 4 rating (optional)
- Optional carrying case and panel mounting ring
- Optional pressure ports
- NIST traceable (optional)
- 9 V battery power
- High/low capture and store

Model AK

PERFORMANCE SPECIFICATIONS

Characteristic	Measure
Accuracy	0.05 % of full scale BFSL
Pressure ranges 0 psi to	15, 50, 100, 200, 500, 750, 1000, 1500, 2000, 5000, 7500, 10000 psi

ENVIRONMENTAL SPECIFICATIONS

Characteristic	Measure
Temperature, operating (standard)	-1 °C to 71 °C [30 °F to 160 °F]
Temperature, operating (optional)	-18 °C to 82 °C [0 °F to 180 °F] (NEMA 4 option required)

ELECTRICAL SPECIFICATIONS

Characteristic	Measure
Rating	NEMA 2 (NEMA 4 optional, except AKT)
Display	41/2 LCD digits - 12,7 mm [0.5 in] high
Power, Model AKW	One or two 9 V alkaline batteries (in- cluded)
Power, Model AKT	110 Vac adapter @ 60 Hz (included)
Power, Model AKV	11 Vdc to 32 Vdc @ 100 mA (3 ft cable included)

MECHANICAL SPECIFICATIONS

Characteristic	Measure
Physical diameter	93,98 mm [3.7 in]
Pressure port	9/16-18 UNF-2B, female straight thread with SAE spec J514 0-ring boss
Wetted parts	Stainless steel
Case material	Stainless steel
Low battery indication	Standard
High and low capture	Standard
Update speed	Adjustable from 3 to 10 per second
Face membrane	Tactile feedback raised memory chips
Calibration data	Stored on memory chip

ADDITIONAL SPECIFICATIONS

Pressure range (psi)	Maximum safe over pressure (psi)1	Incremental display steps
0 psi to 15 psi = 15	75	0.005
0 psi to 50 psi = 50	250	0.01
0 psi to 100 psi = 100	500	0.02
0 psi to 200 psi = 200	1000	0.05
0 psi to 500 psi = 500	1500	0.1
0 psi to 750 psi = 750	1500	0.2
0 psi to 1000 psi = 1K	2000	0.2
0 psi to 1500 psi = 1.5K	3000	0.5
0 psi to 2000 psi = 2K	4000	0.5
0 psi to 5000 psi = 5K	7500	1
0 psi to 7500 psi = 7.5K	12000	2
0 psi to 10000 psi = 10K	15000	2

¹ Maximum safe overpressure is the pressure which the unit can experience occasionally without the loss of accuracy or permanent damage

ORDER CODES

ORDER CODE AK W 200 G Z 4 * = Example			
POWER			
W= Battery Powered (9 V alkaline)*T= 110 Vac adapter (included)V= 11 Vdc to 32 Vdc (3 ft. cable)			
PRESSURE RANGE (PSI)			
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$			
REFERENCE G = Gage (std) reads zero at atmosphere * A = Absolute (opt) reads zero at vacuum (15 psi or higher) V = Vacuum (opt) scaled in In Hg (15 psi or lower) C = Compound (opt) reads both positive & negative (vacuum) pressure			
Z = No electrical connection (Model AKW - 9 V battery)* C = 3 foot cable (Model AKV) T = ac adapter (Model AKT) <i>Call factory for availability of other electrical connections & cable lengths.</i>			
OPTIONAL			
FIELD SELECTABLE STANDARD UNITS OF MEASURE			

FIELD SELECTABLE STANDARD UNITS OF MEASUR Each gauge has the following scaling built in for field selection:

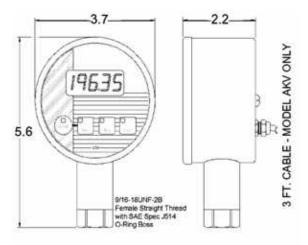
Bar = Bar	Ft H20 = Feet of water
mBar = Millibar	In H20 = Inches of water
kPa = Kilopascals	In Hg = Inches of mercury
MPa = Megapascals	mmHg = mm of mercury

Consult factory for other units of measure not listed

Model AK

Digital Pressure Test Gauge

MOUNTING DIMENSIONS AND CHARACTERISTICS



Request certified drawing before designing mountings or fixtures. Specifications subject to change without notice.

For reference only

Notes

- 1. Ure faci bla feuipit nostin vullam zzril
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- 6. Ure faci bla feuipit nostin vullam zzril dolesto consent nis del ipsuscilis nismodiamcor sustinit am eugait velestinit ut nibh elisim eugait nim iril ut del duisi.

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A WARNING PERSONAL INJURY

• DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

A WARNING MISUSE OF DOCUMENTATION

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

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