

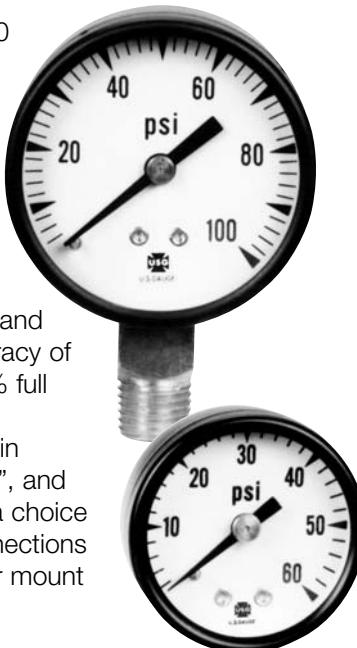
## General Purpose Gauges Series P-500 Low Cost Utility Gauges

### DESCRIPTION

U.S. Gauge Series P-500 utility gauges provide economical, reliable service in a wide variety of applications including pumps, compressors, and other equipment.

Series P-500 utility gauges come in English and metric ranges with accuracy of either  $\pm 3\text{-}2\text{-}3\%$  or  $\pm 1.6\%$  full scale.

Gauges are available in 1-1/2", 2", 2-1/2", 3-1/2", and 4-1/2" steel cases with a choice of English or metric connections in center-back and lower mount configurations.



### SPECIFICATIONS

RANGES: 30" Hg VAC through 0-5000 psi

ACCURACY:  $\pm 3\text{-}2\text{-}3\%$  (Grade B) or  $\pm 1.6\%$  of span

BOURDON TUBE: Phosphor bronze

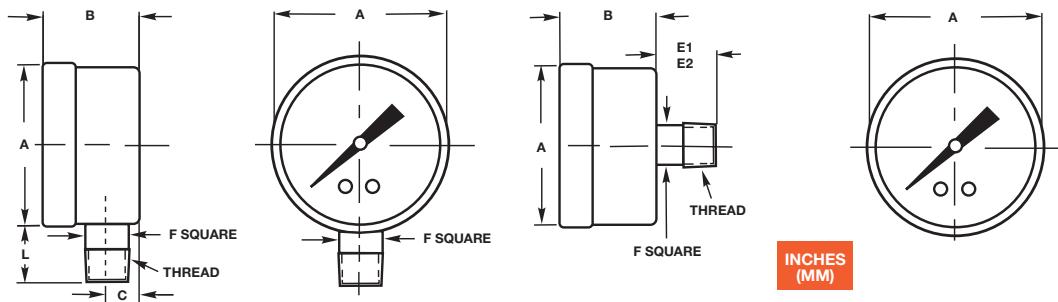
DIAL: ABS (aluminum optional)

POINTER: Aluminum

CASE: Painted steel

#### CONNECTION:

Brass, 1/8-27 NPT for 1-1/2" and 2"; 1/4-18 NPT for 2" through 4-1/2"; G1/8B, G1/4B, R1/8, R1/4, center-back or lower mount



| MODEL NUMBER | DIAL SIZE  | UNIT      | A           | B          | C          | E1        | E2        | F          | L         |
|--------------|------------|-----------|-------------|------------|------------|-----------|-----------|------------|-----------|
| P-500        | 1-1/2"     | inches mm | 1.64 41.66  | .92 23.37  | .34 8.66   | .62 15.75 | —         | .44 11.18  | .55 13.97 |
| P-500        | 2"         | inches mm | 2.16 54.86  | 1.15 29.21 | .40 10.16  | .84 21.34 | .90 22.86 | .55 13.97  | .87 22.10 |
| P-505        | 2-1/2" LM  | inches mm | 2.73 69.34  | 1.15 29.21 | .39 9.91   | .48 12.19 | .25 6.35  | .82 20.83  | —         |
| P-505        | 2-1/2" CBM | inches mm | 2.49 63.25  | 1.21 30.73 | 1.22 30.99 | —         | .28 7.11  | .84 21.34  | —         |
| P-505        | 3-1/2" LM  | inches mm | 3.53 89.66  | 1.17 29.72 | .40 10.16  | —         | .24 6.10  | .83 21.08  | —         |
| P-505        | 4-1/2" LM  | inches mm | 4.80 121.92 | 1.12 28.45 | .38 9.65   | —         | .45 11.43 | 1.10 27.94 | —         |

\* Length E1 refers to 1/8 NPT connections; E2 refers to 1/4 NPT connections

\*\* The E dimension is the minimum length of the wrench square from the case bottom

© 2006, by AMETEK, Inc. All rights reserved. PDF606 (160126) Specifications are subject to change without notice. Visit our Web sites for the most up-to-date information.



#### For Gauges/Termometers:

**U.S. GAUGE**  
820 Pennsylvania Blvd.  
Feasterville, PA 19053 U.S.A.  
Tel: (215) 355-6900  
Fax: (215) 354-1802  
[www.ametekusg.com](http://www.ametekusg.com)

Customer Service Tel: (863) 534-1504  
Customer Service Fax: (863) 533-7465

#### For Electronic Products:

**PMT PRODUCTS**  
820 Pennsylvania Blvd.  
Feasterville, PA 19053 U.S.A.  
Tel: (215) 355-6900  
Fax: (215) 354-1800  
[www.ametekusg.com](http://www.ametekusg.com)

#### For Diaphragm Seals:

**M&G PRODUCTS**  
8600 Somerset Drive  
Largo, FL 33773 U.S.A.  
Tel: (727) 536-7831  
Fax: (727) 539-6882  
[www.ametek.com/tci](http://www.ametek.com/tci)



## General Purpose Gauges Series P-500 Low Cost Utility Gauges

### SPEC NUMBER SELECTION GUIDE

#### Series P-500

| Connection        | Range*        | 1-1/2" Spec No. | 2" Spec No. | 2-1/2" Spec No. | 3-1/2" Spec No. | 4-1/2" Spec No. |
|-------------------|---------------|-----------------|-------------|-----------------|-----------------|-----------------|
| <b>1/8-27 LM</b>  | 15 psi        | 146000A         | 052420A     | —               | —               | —               |
|                   | 30 psi        | 166327          | 163931      | 059306A         | —               | —               |
|                   | 60 psi        | 146002A         | 164005      | 058129A         | —               | —               |
|                   | 100 psi       | 166318          | 163271      | 049660A         | —               | —               |
|                   | 160 psi       | 146004A         | 048302A     | 048536A         | —               | —               |
|                   | 200 psi       | 166777          | 046645A     | 050852A         | —               | —               |
|                   | 300 psi       | 146006A         | 048363A     | 046647A         | —               | —               |
|                   | 600 psi       | 146007A         | —           | —               | —               | —               |
|                   | 1000 psi      | 146008A         | —           | —               | —               | —               |
|                   | 2000 psi      | 146009A         | —           | —               | —               | —               |
| <b>1/8-27 CBM</b> | 15 psi        | 146010A         | —           | —               | —               | —               |
|                   | 30 psi        | 166320          | 163930      | —               | —               | —               |
|                   | 60 psi        | 166321          | 055155A     | —               | —               | —               |
|                   | 100 psi       | 166322          | 046776A     | —               | —               | —               |
|                   | 160 psi       | 166323          | 070791A     | —               | —               | —               |
|                   | 200 psi       | 146015A         | 102673A     | —               | —               | —               |
|                   | 300 psi       | 146016A         | 051805A     | —               | —               | —               |
|                   | 600 psi       | 146017A         | —           | —               | —               | —               |
|                   | 1000 psi      | 146018A         | —           | —               | —               | —               |
|                   | 2000 psi      | 146019A         | —           | —               | —               | —               |
| <b>1/4-18 LM</b>  | 15 psi        | —               | 047615A     | 047102A         | 5502A           | 5546A           |
|                   | 30 psi        | —               | 163149      | 163278          | 168536          | 5804A           |
|                   | 60 psi        | —               | 163269      | 163279          | 168537          | 5551A           |
|                   | 100 psi       | —               | 162988      | 163280          | 168538          | 5554A           |
|                   | 160 psi       | —               | 163270      | 163281          | 168539          | 5559A           |
|                   | 200 psi       | —               | 163147      | 163282          | 168540          | 5561A           |
|                   | 300 psi       | —               | 163148      | 163283          | 168541          | 5563A           |
|                   | 400 psi       | —               | 047492A     | 049611A         | 5515A           | 12265A          |
|                   | 600 psi       | —               | 047493A     | 046648A         | 5516A           | 5337A           |
|                   | 1000 psi      | —               | 047494A     | 047496A         | 5519A           | 12266A          |
|                   | 2000 psi*     | —               | —           | 171398A         | —               | —               |
|                   | 3000 psi*     | —               | —           | 171400A         | —               | —               |
|                   | 5000 psi*     | —               | —           | 143072A         | —               | —               |
| <b>1/4-18 CBM</b> | 15 psi        | —               | 046987A     | 052827A         | —               | —               |
|                   | 30 psi        | —               | 163949      | 165213          | —               | —               |
|                   | 60 psi        | —               | 163272      | 165214          | —               | —               |
|                   | 100 psi       | —               | 163273      | 163284          | —               | —               |
|                   | 160 psi       | —               | 163274      | 163285          | —               | —               |
|                   | 200 psi       | —               | 163275      | 163286          | —               | —               |
|                   | 300 psi       | —               | 163276      | 163287          | —               | —               |
|                   | 600 psi       | —               | 046991A     | 050851A         | —               | —               |
|                   | 1000 psi      | —               | —           | 050870A         | —               | —               |
|                   | 2000 psi*     | —               | —           | 171399A         | —               | —               |
|                   | 3000 psi*     | —               | —           | 171401A         | —               | —               |
| <b>1/8-27 LM</b>  | 30" - 15 psi  | —               | 66662A      | —               | —               | —               |
|                   | 30" - 60 psi  | —               | 47925A      | —               | —               | —               |
|                   | 30" - 150 psi | —               | 49609A      | —               | —               | —               |
| <b>1/4-18 LM</b>  | 30" - 15 psi  | —               | 47000A      | 47001A          | 5493A           | 63754A          |
|                   | 30" - 30 psi  | —               | 167218      | 47105A          | 5495A           | 5549A           |
|                   | 30" - 60 psi  | —               | 57548A      | 46646A          | 5496A           | 12290A          |
|                   | 30" - 150 psi | —               | 50517A      | 47411A          | 5499A           | 12292A          |
|                   | 30" - 300 psi | —               | —           | 58156A          | 15936A          | —               |
| <b>1/8-27 LM</b>  | 30"           | 146020A         | 47225A      | —               | —               | —               |
| <b>1/8-27 CBM</b> | 30"           | 146021A         | —           | —               | —               | —               |
| <b>1/4-18 LM</b>  | 30"           | —               | 163712      | 171222A         | 171223A         | 5333A           |

\* Dual scale dials are available, please contact Customer Service at (863) 534-1504  
U-clamp kit for 1-1/2" P-500, Spec #166732

© 2006, by AMETEK, Inc. All rights reserved. PDF606 (160126) Specifications are subject to change without notice. Visit our Web sites for the most up-to-date information.



#### For Gauges/Termometers:

**U.S. GAUGE**  
820 Pennsylvania Blvd.  
Feasterville, PA 19053 U.S.A.  
Tel: (215) 355-6900  
Fax: (215) 354-1802  
[www.ametekusg.com](http://www.ametekusg.com)

Customer Service Tel: (863) 534-1504  
Customer Service Fax: (863) 533-7465

#### For Electronic Products:

**PMT PRODUCTS**  
820 Pennsylvania Blvd.  
Feasterville, PA 19053 U.S.A.  
Tel: (215) 355-6900  
Fax: (215) 354-1800  
[www.ametekusg.com](http://www.ametekusg.com)

#### For Diaphragm Seals:

**M&G PRODUCTS**  
8600 Somerset Drive  
Largo, FL 33773 U.S.A.  
Tel: (727) 536-7831  
Fax: (727) 539-6882  
[www.ametek.com/tci](http://www.ametek.com/tci)