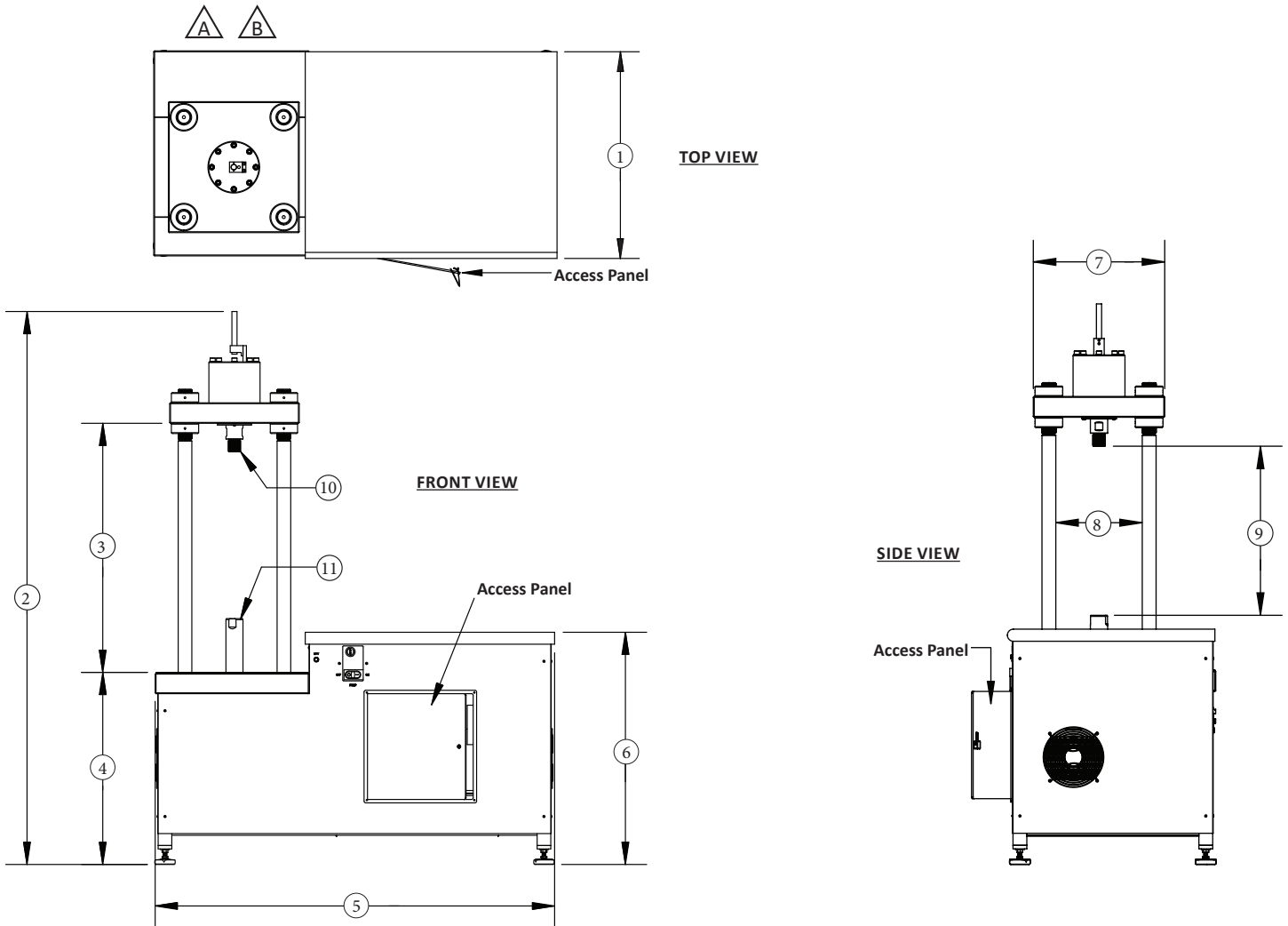




## GS-SYS GOLD STANDARD® CALIBRATION SYSTEM (US & METRIC)



### DIMENSIONS

| See Drawing | CAPACITY             |                      |
|-------------|----------------------|----------------------|
|             | lbf                  | kN                   |
|             | 25K, 55K, 100K       | 110, 250, 450        |
|             | in                   | mm                   |
| 1           | 30.0                 | 762                  |
| 2           | 81.0                 | 2057                 |
| 3           | 36.5                 | 927                  |
| 4           | 28.2                 | 716                  |
| 5           | 58.6                 | 1488                 |
| 6           | 34.0                 | 864                  |
| 7           | 19.0                 | 483                  |
| 8           | 12.5                 | 318                  |
| 9           | 24.4 MIN / 30.4 MAX  | 620 MIN / 772 MAX    |
| 10          | 1.75-12 UN 2A x 1.80 | 1.75-12 UN 2A x 45.7 |
| 11          | 1.75-12 UN 2B x 2.0  | 1.75-12 UN 2B x 51   |

## GS-SYS GOLD STANDARD® CALIBRATION SYSTEM (US & METRIC)

### SPECIFICATIONS

| LOAD FRAME             |                                    |                |
|------------------------|------------------------------------|----------------|
| Capacity               | lbf                                | 25K, 55K, 100K |
|                        | kN                                 | 110, 250, 450  |
| Weight                 | lbs                                | 2200           |
|                        | kg                                 | 997.9          |
| Type                   | Four Column, Dual Action Hydraulic |                |
| Load Cell Test Type    | Compression or Tension             |                |
| Horizontal Clearance   | in                                 | 12.5           |
|                        | mm                                 | 317.5          |
| Vertical Clearance     | in                                 | 24.4 to 30.4   |
|                        | mm                                 | 619.8 to 772.2 |
| Piston Stroke          | in                                 | 6.0            |
|                        | mm                                 | 152.4          |
| Top Swivel Thread      | 1.75-12 Male                       |                |
| Bottom Actuator Thread | 1.75-12 Female                     |                |
| Position Sensor        | LVDT                               |                |
| Zero Control           | Automatic Return                   |                |
| Slack Adaptor Range    | in                                 | ± 0.25         |
|                        | mm                                 | ± 6.35         |
| Thread Adaptors        | Base Set Included                  |                |
| HYDRAULIC SYSTEM       |                                    |                |
| Oil Capacity           | US gal                             | 10             |
|                        | L                                  | 37.85          |
| Oil Type               | Mobile DTE25 or Equivalent         |                |
| Oil Over-temperature   | Automatic Cut-Off                  |                |
| Low Oil Level          | Automatic Cut-Off Indicator        |                |

| CONTROLS                          |                                       |
|-----------------------------------|---------------------------------------|
| Speed Control                     | Automatic                             |
| Speed Selection                   | Configurable                          |
| Controller                        | PID                                   |
| USER INTERFACE                    |                                       |
| Control Interface                 | Industrial Computer                   |
| Software                          | Interface Gold Standard®              |
| Reports                           | User Configurable                     |
| Test Reports Available            | ASTM E74, ISO 376 or Custom           |
| Shunt Calibration                 | Automatic or Manual                   |
| Curve Fit                         | Least Square Method                   |
| Calibration History               | Compare Data with Past Results        |
| CALIBRATION                       |                                       |
| Uncertainty - %RDG                | Less than 0.04 Uncertainty            |
| Ranges                            | Dependent on Gold Standard® Load Cell |
| Overload Protection               | User Configurable                     |
| Automatic Load Points             | User Configurable                     |
| Load Measurement Range - %        | 1 to 100 of Load Frame Capacity       |
| A/D Calibration Standard          | Included                              |
| REQUIREMENTS                      |                                       |
| Power Requirements - VAC Hz A CCT | 208/240, Single Phase, 50/60, 20      |

### SHIPPING INFORMATION

| Crate Dimensions and Weight |     |                        |
|-----------------------------|-----|------------------------|
| Dimensions - W x H x D      | in  | 72 x 90 x 48           |
|                             | mm  | 1828.8 x 2286 x 1219.2 |
| Weight                      | lbs | 2500                   |
|                             | kg  | 1133.981               |
| Includes tilt/shock sensors |     |                        |
| Fork lift access            |     |                        |