# 700TA Series

## Sanitary Gauge with Integrated Diaphragm Seal

*700TA shown*

**2¹/₂", 4" Dial Sizes**

**Stainless Steel Case**

**Liquid Fillable**

**1¹/₂", 2" Tri-clamp Type Connections**

The Trerice **700TA Series** Sanitary Gauge is 3A approved and especially suited for use in the dairy and food processing industries. This field liquid fillable (no kit required) gauge has a stainless steel case, ring, and process housing. All wetted parts are stainless steel.

- Optional features and case style variations available: Please consult the Options & Accessories Section for details.

- Please refer to 3A Standard 37-01, 3A Standard for Liquid Pressure and Level Sensing Devices

- For correct use and application of all pressure gauges, please refer to: Pressure Gauge Standard ASME B40.100.

### Specifications

**Models**

| 700TA | (dry) |
| 700TALF | (liquid filled) |

**Dial Sizes** 2¹/₂", 4"

**Wetted Parts**
316 stainless steel diaphragm

**Fill** Mineral Oil, other fills available. See Options & Accessories.

**Movement** Stainless steel

**Connection** 2¹/₂" Dial Size: Lower or center back Tri-clamp, 1¹/₂" or 2"

4" Dial Size: Lower or lower back, Tri-clamp, 1¹/₂" or 2"

**Case** 304 stainless steel, stem mounted flangeless

**Ring** Crimped 304 stainless steel, highly polished

**Window** Safety glass

**Pointer** Plain black finished

**Dial Face** Aluminum, white background with black graduations and markings

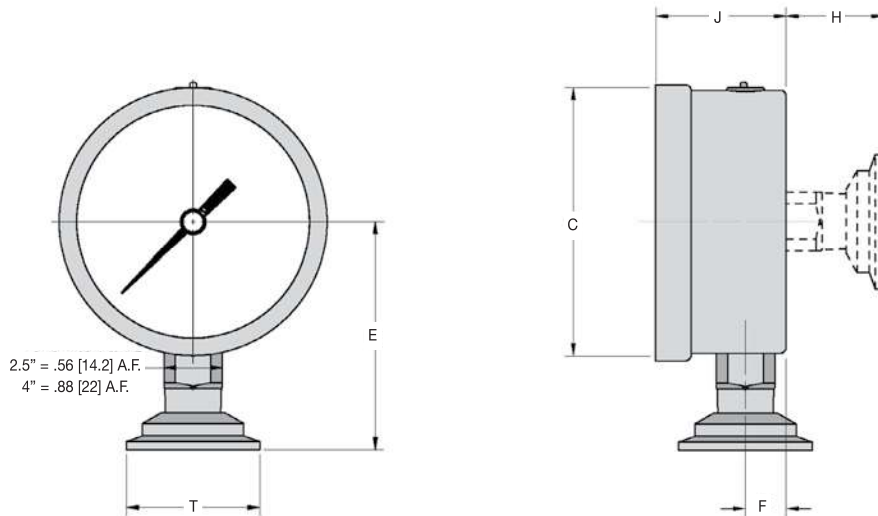**Accuracy** ±1.6% Full Scale

**Maximum Temperature**
250°F (121°C)

**Approximate Shipping Weight**
700TA 2¹/₂" Dial Size, 1¹/₂" Tri-clamp, 1.4 lbs [0.64 kg]

700TA 2¹/₂" Dial Size, 2" Tri-clamp, 1.9 lbs [0.86 kg]

700TALF 2¹/₂" Dial Size, 1¹/₂" Tri-clamp, 1.9 lbs [0.86 kg]

700TALF 2¹/₂" Dial Size, 2" Tri-clamp, 2.6 lbs [1.18 kg]

700TA 4" Dial Size, 1¹/₂" Tri-clamp, 2.6 lbs [1.18 kg]

700TA 4" Dial Size, 2" Tri-clamp, 3.3 lbs [1.50 kg]

700TALF 4" Dial Size, 1¹/₂" Tri-clamp, 3.3 lbs [1.50 kg]

700TALF 4" Dial Size, 2" Tri-clamp, 4.0 lbs [1.81 kg]

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### Note: "NEW" Range Codes

## HOW TO ORDER

Sample Order Number: **700TA 40 15T L A 300**

| Model | Dial Size | Connection Size | Connection Location | Units of Measure | Range Code |
|---|---|---|---|---|---|
| 700TA<br>700TALF | 25 2¹/₂"<br>40 4" | 15T 1¹/₂" Tri-Clamp<br>20T 2" Tri-Clamp | L Lower<br>B Back | A psi<br>D psi/kPa | See Standard Ranges |
| | | | | | Note: **"NEW" Range Codes** |

**TRERICE**

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All dimensions are nominal.  Dimensions in [ ] are in millimeters.

## Sanitary Gauge with Integrated Diaphragm Seal

2.5" = .56 [14.2] A.F.
4" = .88 [22] A.F.

**Clamps, gaskets and ferrules
are not supplied by Trerice.**

| Dial Size | Tri-Clamp Size | C | E | F | H | J | T |
|-----------|----------------|---|---|---|---|---|---|
| 2¹/₂" [63] | 1¹/₂" | 2.68 [68] | 2.64 [67] | 0.37 [9.5] | 1.52 [38.5] | 1.20 [30.5] | 1.98 [50.5] |
|  | 2" | 2.68 [68] | 2.64 [67] | 0.37 [9.5] | 1.52 [38.5] | 1.20 [30.5] | 2.51 [64.0] |
| 4" [100] | 1¹/₂" | 4.18 [106.2] | 3.35 [85] | 0.46 [11.8] | 1.52 [38.5] | 1.32 [33.5] | 1.98 [50.5] |
|  | 2" | 4.18 [106.2] | 3.35 [85] | 0.46 [11.8] | 1.52 [38.5] | 1.32 [33.5] | 2.51 [64.0] |

## Standard Ranges

Note: **"NEW" Range Codes**

### psi Ranges (A)

| NEW Range Code | OLD Range Code | Specific Range | Figure Intervals | Minor Divisions |
|----------------|----------------|----------------|------------------|-----------------|
| 30/0 | 010 | 30" Hg to 0 | 5 | 0.5 |
| 30/15 | 020 | 30" Hg to 15 psi | 10/5 | 10/0.5 |
| 30/30 | 030 | 30" Hg to 30 psi | 10/10 | 2/1 |
| 30/60 | 040 | 30" Hg to 60 psi | 30/20 | 2/2 |
| 30/100 | 050 | 30" Hg to 100 psi | 30/20 | 5/2 |
| 30/150 | 060 | 30" Hg to 150 psi | 30/20 | 10/2 |
| 30/300 | 070 | 30" Hg to 300 psi | 30/30 | 5/10 |
| 15 | 080 | 0 to 15 psi | 3 | 0.2 |
| 30 | 090 | 0 to 30 psi | 5 | 0.5 |

### psi Ranges (A)

| NEW Range Code | OLD Range Code | Specific Range | Figure Intervals |
|----------------|----------------|----------------|------------------|
| 60 | 100 | 0 to 60 psi | 10 |
| 100 | 110 | 0 to 100 psi | 20 |
| 160 | 120 | 0 to 160 psi | 20 |
| 200 | 130 | 0 to 200 psi | 50 |
| 300 | 140 | 0 to 300 psi | 50 |
| 400 | 150 | 0 to 400 psi | 100 |
| 600 | 160 | 0 to 600 psi | 100 |
| 1000 | 180 | 0 to 1000 psi | 200 |

*For dual scale ranges, specify the appropriate **Units of Measure: D** (psi/kPa) followed by the corresponding **A** (psi)
**Range Code**. Other pressure ranges are also available including:  Altitude, Ammonia, Refrigerant and Receiver.
Consult Special Application Ranges section or factory for availability.*