

## Marshalltown Value Series Gauge

- ASME Grade B Accuracy
- Extra Savings with Quantity Pricing
- 4 Standard Mounting Options: LM, CB, Right & Left

Marshalltown Value Series are the most economical, general purpose gauges in the Marsh gauge line. Suited for use with water, oil, air, gas, or other non-corrosive media.

Typical applications include FRL's, compressors, pumps, boilers, regulators, dryers as well as commercial and industrial equipment.



## Specifications

|                     |  |           |          |          |           |           |           |           |
|---------------------|--|-----------|----------|----------|-----------|-----------|-----------|-----------|
| Accuracy            | ASME Grade B = $\pm 3/2/3\%$ ( $\pm 2\%$ of range across middle half of scale) |           |          |          |           |           |           |           |
| Case Material       | Drawn steel, pretreated for rust resistance and black enamel finish            |           |          |          |           |           |           |           |
| Tube & Socket       | Copper alloy tube soft soldered to brass socket                                |           |          |          |           |           |           |           |
| Movement            | Brass sector and pinion  |           |          |          |           |           |           |           |
| Dial Standard       | Dual scale PSIG and kPa  |           |          |          |           |           |           |           |
| Dial Color          | Black markings on white  |           |          |          |           |           |           |           |
| Pointer             | Aluminum, Black painted  |           |          |          |           |           |           |           |
| Window & Ring       | Flat plastic window with steel friction ring                                   |           |          |          |           |           |           |           |
| Case Size           | 1-1/2"   |           |          |          | 2"        |           |           |           |
| Mounting/Case Style | LM   | CB        | Right    | Left     | LM        | CB        | LM        | CB        |
| Connection          | 1/8 NPT  | 1/8 NPT   | 1/8 NPT  | 1/8 NPT  | 1/4 NPT   | 1/4 NPT   | 1/8 NPT   | 1/8 NPT   |
| 0 to 15 PSI         |  | GG1515C8  |          |          |           |           |           |           |
| 0 to 30 PSI         | GG1530L8   | GG1530C8  | GG1530G8 | GG1530F8 | GG2030L4  | GG2030C4  | GG2030L8  | GG2030C8  |
| 0 to 60 PSI         | GG1560L8   | GG1560C8  | GG1560G8 | GG1560F8 | GG2060L4  | GG2060C4  |           |           |
| 0 to 100 PSI        | GG15100L8  | GG15100C8 |          |          | GG20100L4 | GG20100C4 | GG20100L8 | GG20100C8 |
| 0 to 160 PSI        | GG15160L8  | GG15160C8 |          |          | GG20160L4 | GG20160C4 | GG20160L8 | GG20160C8 |
| 0 to 200 PSI        |  | GG15200C8 |          |          |           | GG20200C4 |           | GG20200C8 |

## X-Mas Tree Gauge

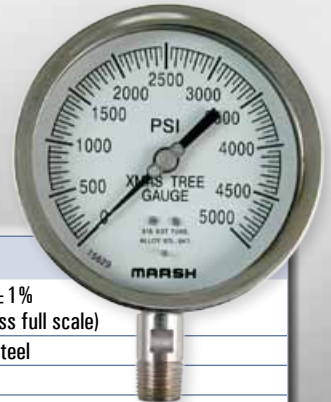
- Accuracy  $\pm 1\%$
- Polished Stainless Steel Case
- Ranges to 10,000 PSIG
- Adjustable Micrometer Pointer

Marsh Instruments has been on top of X-mas Trees and well-heads much longer than any other name. Marsh offers the same high-performance gauge for replacement. Other gauge manufacturers can state Xmas Tree Gauge on their products but only Marsh Instruments can offer you all the special features, and dependability, that you expect! Features include a polished stainless steel case with stainless steel tube, tip, and socket, and an easy to adjust micrometer pointer.

Marsh Instruments X-mas Tree gauges are designed for the oil patch, well heads and offshore oil platforms.

## Specifications

|                     |  |
|---------------------|--|
| Accuracy            | ASME Grade 1A - $\pm 1\%$<br>( $\pm 1\%$ of range across full scale) |
| Case Material       | Polished Stainless Steel   |
| Tube & Socket       | Stainless Steel  |
| Movement            | Stainless Steel  |
| Dial Standard       | Single Scale PSIG  |
| Dial Color          | Black markings on white  |
| Pointer             | Aluminum, adjustable micrometer, black painted                       |
| Window & Ring       | Acrylic window with bayonet ring                                     |
| Case Size           | 4-1/2"   |
| Mounting/Case Style | LM   |
| Connection          | 1/2 NPT  |
| 0 to 1,000 PSI      | W0574  |
| 0 to 1,500 PSI      | W0578  |
| 0 to 2,000 PSI      | W0582  |
| 0 to 3,000 PSI      | W0586  |
| 0 to 5,000 PSI      | W0590  |
| 0 to 10,000 PSI     | W0594  |



## 63mm Severe Service Gauge

Marsh Instruments Liquid-Filled Gauges are designed to perform in rugged applications and harsh environmental conditions where pulsation and vibration are a problem. Liquid Filled Gauges offer a significant cushioning and dampening effect, reducing pointer flutter and internal gauge damage; also lubricating the internals, and reducing corrosion. All stainless steel Liquid Filled Gauges feature a ventable top fill plug for pressure relief and ease of venting after installation. The high pressure ranges offer a Helical Bourdon Tube for longer gauge life and increased durability. The hermetically sealed construction reduces the chance of leaks, and makes field filling an easy option.

Typical applications include refineries, chemical plants, offshore platforms, oil rigs, marine applications and OEM processes.



### Specifications

|                        |  |         |         |                 |         |         |
|------------------------|--|---------|---------|-----------------|---------|---------|
| Accuracy               | ASME Grade B – ± 3/2/3%<br>(± 2% of range across middle half of scale) |         |         |                 |         |         |
| Case Material          | 304 Stainless Steel  |         |         |                 |         |         |
| Movement               | Brass  |         |         |                 |         |         |
| Dial Standard          | Dual scale PSIG and kPa  |         |         |                 |         |         |
| Dial Color             | Black markings on white  |         |         |                 |         |         |
| Pointer                | Aluminum, Black painted  |         |         |                 |         |         |
| Window                 | Polycarbonate  |         |         |                 |         |         |
| Fill Medium            | Glycerine  |         |         |                 |         |         |
| Restrictor             | Standard for all ranges  |         |         |                 |         |         |
| Vent Plug              | Removable tip for venting  |         |         |                 |         |         |
| Case Size              | 63mm   |         |         |                 |         |         |
| Internal-Tube & Socket | Copper Alloy   |         |         | Stainless Steel |         |         |
| Mounting/Case Style    | LM   | UC      | CB      | LM              | UC      | CB      |
| Connection             | 1/4 NPT  | 1/4 NPT | 1/4 NPT | 1/4 NPT         | 1/4 NPT | 1/4 NPT |
| 0 to 30" Hg VAC        | J7605P   | J7205P  | J6405P  | J7805P          | J7405P  | J6605P  |
| 30" Hg VAC to 15 PSI   |  |         |         |                 |         |         |
| 30" Hg VAC to 30 PSI   | J7612P   |         |         |                 |         |         |
| 30" Hg VAC to 60 PSI   | J7614P   |         |         |                 |         |         |
| 30" Hg VAC to 100 PSI  |  |         |         |                 |         |         |
| 30" Hg VAC to 150 PSI  | J7618P   | J7218P  | J6418P  | J7818P          | J7418P  | J6618P  |
| 30" Hg VAC to 200 PSI  | J7620P   | J7220P  | J6420P  | J7820P          | J7420P  | J6620P  |
| 30" Hg VAC to 300 PSI  | J7624P   | J7224P  | J6424P  | J7824P          | J7424P  | J6624P  |
| 30" Hg VAC to 400 PSI  | J7626P   | J7226P  | J6426P  | J7826P          | J7426P  | J6626P  |
| 0 to 15 PSI            | J7640P   | J7240P  | J6440P  | J7840P          | J7440P  | J6640P  |
| 0 to 30 PSI            | J7642P   | J7242P  | J6442P  | J7842P          | J7442P  | J6642P  |
| 0 to 60 PSI            | J7646P   | J7246P  | J6446P  | J7846P          | J7446P  | J6646P  |
| 0 to 100 PSI           | J7648P   | J7248P  | J6448P  | J7848P          | J7448P  | J6648P  |
| 0 to 160 PSI           | J7652P   | J7252P  | J6452P  | J7852P          | J7452P  | J6652P  |
| 0 to 200 PSI           | J7654P   | J7254P  | J6454P  | J7854P          | J7454P  | J6654P  |
| 0 to 300 PSI           | J7658P   | J7258P  | J6458P  | J7858P          | J7458P  | J6658P  |
| 0 to 400 PSI           | J7660P   | J7260P  | J6460P  | J7860P          | J7460P  | J6660P  |
| 0 to 600 PSI           | J7664P   | J7264P  | J6464P  | J7864P          | J7464P  | J6664P  |
| 0 to 1,000 PSI         | J7672P   | J7272P  | J6472P  | J7872P          | J7472P  | J6672P  |
| 0 to 1,500 PSI         | J7674P   | J7274P  | J6474P  | J7874P          | J7474P  | J6674P  |
| 0 to 2,000 PSI         | J7676P   | J7276P  | J6476P  | J7876P          | J7476P  | J6676P  |
| 0 to 3,000 PSI         | J7678P   | J7278P  | J6478P  | J7878P          | J7478P  | J6678P  |
| 0 to 5,000 PSI         | J7682P   | J7282P  | J6482P  | J7882P          | J7482P  | J6682P  |
| 0 to 6,000 PSI         | J7684P   | J7284P  | J6484P  | J7884P          | J7484P  | J6684P  |
| 0 to 10,000 PSI        |  |         |         | J7890P          | J7490P  | J6690P  |



NOTE:   Items are available on special order. However, minimums and lead times apply. Consult factory.

| Option                             | Type                     | Suffix          | Available On Models                            |
|------------------------------------|--------------------------|-----------------|--|
| Fill Medium                        | Dry (no fill)            | Delete suffix P | All models                                     |
|                                    | Silicone (SL)            | I               | All models                                     |
| Front Flange                       | Adapter ring (3 hole)    | R1              | Center Back & U-Clamp only (Factory Installed) |
|                                    | Adapter ring (no holes)  | R2              | U-Clamp only (Factory Installed)               |
| Bayonet Case & Ring w/Safety Glass |                          | J               | Center Back or Lower Mount (Consult Factory)   |
| Catalog Dials                      | PSIG only                | E               | See Marsh Price List for minimum               |
|                                    | Bar only                 | L1              |  |
|                                    | kg/cm <sup>2</sup> only  | L2              |  |
|                                    | kPa only                 | L3              |  |
|                                    | MPa only                 | L4              |  |
|                                    | PSI & BAR                | W1              |  |
|                                    | PSI & kg/cm <sup>2</sup> | W2              |  |
| PSI & MPa                          | W4                       |                 |  |
| Custom Dials                       | Logo or Custom Face      | M               | Consult factory for colors and minimums        |
| Restrictor                         | Special Restrictor       | H               | All models - See Marsh Price List for minimum  |
|                                    | Restrictor Removed       | H1              |  |
| Increased Accuracy                 | Grade A (2/1/2%)         | B               | All models - See Marsh Price List for minimum  |
| Special Connections                |                          |                 | Consult Factory                                |

## 100mm Severe Service Gauge

- Brass or Stainless Steel Internal
- Hermetically Sealed – Field Fillable

Marsh Instruments Liquid Filled Gauges are designed to perform in rugged applications and harsh environmental conditions - especially where pulsation and vibration are a problem. Liquid Filled Gauges offer a significant cushioning and dampening effect, reducing pointer flutter and internal gauge damage; also lubricating the internals, and reducing corrosion. All stainless steel Liquid Filled Gauges feature a vent top fill plug for pressure relief and ease of venting after installation. The hermetically sealed construction reduces the chance of leaks, and makes field filling an easy option.

Typical applications include refineries, chemical plants, offshore platforms, oil rigs, marine applications and OEM processes.



### Specifications

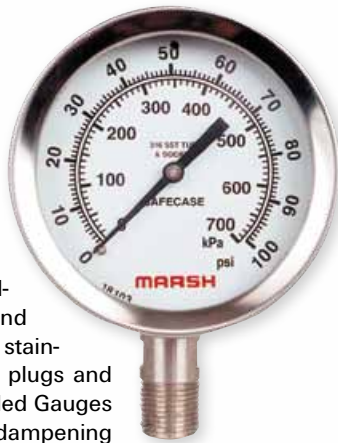
|                        |  |         |         |                 |         |         |
|------------------------|--|---------|---------|-----------------|---------|---------|
| Accuracy               | ASME Grade A – ± 2/1/2%<br>(± 1% of range across middle half of scale) |         |         |                 |         |         |
| Case Material          | 304 Stainless Steel  |         |         |                 |         |         |
| Movement               | Brass sector and pinion  |         |         |                 |         |         |
| Dial Standard          | Dual scale PSI & kPa   |         |         |                 |         |         |
| Dial Color             | Black markings on white  |         |         |                 |         |         |
| Pointer                | Aluminum. black painted  |         |         |                 |         |         |
| Window                 | Polycarbonate  |         |         |                 |         |         |
| Fill Medium            | Glycerine  |         |         |                 |         |         |
| Restrictor             | Standard for all ranges  |         |         |                 |         |         |
| Vent Plug              | Removable tip for venting  |         |         |                 |         |         |
| Case Size              | 100mm  |         |         |                 |         |         |
| Internal Tube & Socket | Copper Alloy   |         |         | Stainless Steel |         |         |
| Mounting/Case Style    | LM   | CB      | UC      | LM              | CB      | UC      |
| Connection             | 1/4 NPT  | 1/4 NPT | 1/4 NPT | 1/4 NPT         | 1/4 NPT | 1/4 NPT |
| 0 to 30" Hg VAC        | X32965P  |         |         | X32967P         |         |         |
| 30" Hg VAC to 30 PSI   | X32501P  |         |         |                 |         |         |
| 30" Hg VAC to 60 PSI   | X32502P  |         |         |                 |         |         |
| 30" Hg VAC to 100 PSI  |  |         |         |                 |         |         |
| 30" Hg VAC to 150 PSI  | X32887P  | X32901P | X32894P | X32929P         | X32941P | X32935P |
| 30" Hg VAC to 200 PSI  | X32888P  | X32902P | X32895P | X32930P         | X32942P | X32936P |
| 30" Hg VAC to 300 PSI  | X32889P  | X32903P | X32896P | X32931P         | X32943P | X32937P |
| 0 to 15 PSI            | X32504P  | X32546P | X32525P | X32630P         | X32678P | X32654P |
| 0 to 30 PSI            | X32505P  | X32547P | X32526P | X32631P         | X32679P | X32655P |
| 0 to 60 PSI            | X32506P  | X32548P | X32527P | X32632P         | X32680P | X32656P |
| 0 to 100 PSI           | X32507P  | X32549P | X32528P | X32633P         | X32681P | X32657P |
| 0 to 160 PSI           | X32508P  | X32550P | X32529P | X32634P         | X32682P | X32658P |
| 0 to 200 PSI           | X32509P  | X32551P | X32530P | X32635P         | X32683P | X32659P |
| 0 to 300 PSI           | X32510P  | X32552P | X32531P | X32636P         | X32684P | X32660P |
| 0 to 400 PSI           | X32511P  | X32553P | X32532P | X32637P         | X32685P | X32661P |
| 0 to 600 PSI           | X32512P  | X32554P | X32533P | X32638P         | X32686P | X32662P |
| 0 to 1,000 PSI         | X32513P  | X32555P | X32534P | X32639P         | X32687P | X32663P |
| 0 to 1,500 PSI         | X32514P  | X32556P | X32535P |                 |         |         |
| 0 to 2,000 PSI         | X32515P  | X32557P | X32536P | X32641P         | X32689P | X32665P |
| 0 to 3,000 PSI         | X32516P  | X32558P | X32537P | X32642P         | X32690P | X32666P |
| 0 to 5,000 PSI         | X32518P  | X32560P | X32539P | X32644P         | X32692P | X32668P |
| 0 to 6,000 PSI         | X32519P  | X32561P | X32540P | X32645P         | X32693P | X32669P |
| 0 to 10,000 PSI        |  |         |         | X32647P         | X32695P | X32671P |

NOTE:  Items are available on special order. However, minimums and lead times apply. Consult factory.

| Option              | Type                     | Suffix          | Available On Models                            |
|---------------------|--------------------------|-----------------|--|
| Fill Medium         | Dry (no fill)            | Delete suffix P | All models                                     |
|                     | Silicone option (SL)     | I               | All models                                     |
| Front Flange        | Adapter ring (3 hole)    | R               | Center Back & U-Clamp only (factory Installed) |
| Catalog Dials       | PSIG only                | E               | See Marsh Price List for minimum               |
|                     | BAR only                 | L1              |  |
|                     | kg/cm <sup>2</sup> only  | L2              |  |
|                     | kPa only                 | L3              |  |
|                     | MPa                      | L4              |  |
|                     | PSI & BAR                | W1              |  |
|                     | PSI & kg/cm <sup>2</sup> | W2              |  |
| PSIG & MPa          | W4                       |                 |  |
| Custom Dials        | Logo or Custom face      | M               | Consult factory for colors and minimums        |
| Restrictor          | Special restrictor       | H               | All models - See Marsh Price List for minimum  |
|                     | Restrictor removed       | H1              |  |
| Increased Accuracy  | Grade 1A ± 1% full scale | B               | All models - See Marsh Price List for minimum  |
| Special Connections |                          |                 | Consult Factory                                |

## 100mm Elite Stainless Steel Gauge

- All Stainless Steel
- Field Fillable
- Ranges to 10,000 PSIG
- Liquid Filled or Dry
- Solid Front Design  
— Safecase



Marsh Instruments All Stainless Steel Gauges are built for extended life, and designed for harsh and corrosive environments. These stainless steel gauges feature top fill plugs and are field fillable. Marsh Liquid Filled Gauges offer significant cushioning and dampening which reduces pointer flutter and internal gauge damage.

Typical applications include refineries, chemical plants, offshore platforms, oil rigs, marine applications, general industrial application and OEM processes.

### Specifications

|                       |   |
|-----------------------|---|
| Accuracy              | ASME Grade 1A – ± 1.0% of range across full scale   |
| Case Material         | 304 Stainless Steel                                 |
| Case Style            | Solid front & blow-out back (Safecase construction) |
| Tube & Socket         | 316 Stainless Steel                                 |
| Movement              | Stainless Steel                                     |
| Scale Standard        | Dual scale PSI and kPa                              |
| Dial Color            | Black markings on white                             |
| Pointer               | Aluminum, black painted                             |
| Window                | Safety Glass  |
| Fill Medium           | See Options   |
| Vent                  | Internal compensating diaphragm                     |
| Case Size             | 100mm (4")  |
| Mounting / Case Style | LM  |
| Connection            | 1/2 NPT   |
| 0 to 30" Hg VAC       | W9605   |
| 0 to 30 PSI           | W9642   |
| 0 to 60 PSI           | W9646   |
| 0 to 100 PSI          | W9648   |
| 0 to 200 PSI          | W9654   |
| 0 to 300 PSI          | W9658   |
| 0 to 600 PSI          | W9664   |
| 0 to 1,000 PSI        | W9672   |
| 0 to 1,500 PSI        | W9674   |
| 0 to 2,000 PSI        | W9676   |
| 0 to 3,000 PSI        | W9678   |
| 0 to 5,000 PSI        | W9682   |
| 0 to 10,000 PSI       | W9690   |

| Option      | Type           | Suffix        | Available On Models |
|-------------|----------------|---------------|---------------------|
| Fill Medium | Dry (no fill)  | Standard      | All Ranges          |
|             | Glycerine (GL) | Add suffix P  |                     |
|             | Silicone (SL)  | Add suffix PI |                     |

## 63mm & 100mm Brass Gauge

- Forged Brass case  
(one piece construction)
- Ranges to 10,000 PSIG
- Heavy Duty Performance



Marsh forged brass gauges are designed for top performance in rugged applications and harsh environments, where corrosive gas or media is not an issue. Applications include Oil Patch, Hydraulics, Natural Gas, OEM and General Industrial applications where superior quality is required. Liquid Filling protects against pulsation and vibration offering a cushioning and dampening effect. The hermetically sealed one piece design reduces the chance of leaks and allows field filling as an easy option.

### Specifications

| Size                  | 63mm         | 100mm        |
|-----------------------|--------------|--------------|
| Accuracy              | ± 1.6% F.S.  | ± 1% F.S.    |
| Case Material         | Forged Brass | Forged Brass |
| Internals             | Copper Alloy | Copper Alloy |
| Mounting / Case Style | LM           | LM           |
| Connection            | 1/4 NPT      | 1/2 NPT      |
| Scale Standard        | PSI          | PSI          |
| 0 to 30" Hg VAC       | W9005PE      | W9405PE      |
| 30" Hg VAC to 30 PSI  | W9012PE      | W9412PE      |
| 30" Hg VAC to 60 PSI  | W9014PE      | W9414PE      |
| 30" Hg VAC to 100 PSI | W9016PE      | W9416PE      |
| 30" Hg VAC to 200 PSI | W9020PE      | W9420PE      |
| 0 to 15 PSI           | W9040PE      | W9440PE      |
| 0 to 30 PSI           | W9042PE      | W9442PE      |
| 0 to 60 PSI           | W9046PE      | W9446PE      |
| 0 to 100 PSI          | W9048PE      | W9448PE      |
| 0 to 160 PSI          | W9052PE      | W9452PE      |
| 0 to 200 PSI          | W9054PE      | W9454PE      |
| 0 to 300 PSI          | W9058PE      | W9458PE      |
| 0 to 400 PSI          | W9060PE      | W9460PE      |
| 0 to 600 PSI          | W9064PE      | W9464PE      |
| 0 to 1,000 PSI        | W9072PE      | W9472PE      |
| 0 to 1,500 PSI        | W9074PE      | W9474PE      |
| 0 to 2,000 PSI        | W9076PE      | W9476PE      |
| 0 to 3,000 PSI        | W9078PE      | W9478PE      |
| 0 to 5,000 PSI        | W9082PE      | W9482PE      |
| 0 to 10,000 PSI       | W9090PE      | W9490PE      |

| Option        | Type                     | Suffix          | Available On Models          |
|---------------|--------------------------|-----------------|------------------------------|
| Fill Medium   | Dry (no fill)            | Delete Suffix P | Consult factory for minimums |
|               | Glycerine (GL)           | Standard        |                              |
|               | Silicone (SL)            | I               |                              |
| Catalog Dials | BAR only                 | L1              | Consult factory for minimums |
|               | kg/cm <sup>2</sup> only  | L2              |                              |
|               | kPa only                 | L3              |                              |
|               | MPa only                 | L4              |                              |
|               | PSI & BAR                | W1              |                              |
|               | PSI & kg/cm <sup>2</sup> | W2              |                              |
| Custom Dials  | PSI & kPa                | W3              | Consult factory for minimums |
|               | PSI & MPa                | W4              |                              |
|               | Logo or Custom Face      | M               |                              |

## Quality Series 100mm Gauge

- Liquid Filled or Dry
- Adjustable Micrometer Pointer
- Ranges to 10,000 PSI
- Safety Glass Window

Marsh Stainless Steel gauges are built for extended life and designed for harsh and corrosive environments. They feature a top fill plug polished bayonet ring and are field fillable. Liquid filled gauges offer significant cushioning and dampening plus extend the life of a gauge.

Applications include Oil Patch, Refineries, Oil Rigs, Panel builders, Offshore Platforms, Marine and General Industrial.



## Quality Series 100mm Copper Alloy Internals

- Liquid Filled or Dry
- Removable polished bayonet ring
- Ranges to 10,000 PSI
- Safety Glass Window

Stainless steel case with copper alloy internals. Ideal for heavy duty service in industrial and commercial environments. Features robust design with removable polished bayonet ring and adjustable pointer. Field fillable.

Applications include Industrial Machinery, Oilfield Equipment and Controls, Wellheads, Pipeline and General Industrial.



### Specifications

|                       |   |                        |
|-----------------------|---|------------------------|
| Accuracy              | ASME Grade 1A – ± 1.0% of range across full scale |                        |
| Case Material         | 304 Stainless Steel                               |                        |
| Tube & Socket         | 316 Stainless Steel                               |                        |
| Movement              | Stainless Steel                                   |                        |
| Scale Standard        | PSI / kPa   |                        |
| Dial Color            | Black markings on white                           |                        |
| Pointer               | Aluminum, Adjustable Micrometer, black painted    |                        |
| Window                | Safety Glass                                      |                        |
| Fill Medium           | See options                                       |                        |
| Vent                  | Rubber plug with snip-off feature                 |                        |
| Case Size             | 100mm (4")  | <b>NACE</b> 100mm (4") |
| Mounting / Case Style | LM  | LM                     |
| Connection            | 1/2 NPT   | 1/2 NPT                |
| 0 to 30" Hg Vacuum    | H20905  |                        |
| 0 to 15 PSI           | H20940  | HN20940                |
| 0 to 30 PSI           | H20942  | HN20942                |
| 0 to 60 PSI           | H20946  | HN20946                |
| 0 to 100 PSI          | H20948  | HN20948                |
| 0 to 160 PSI          | H20952  | HN20952                |
| 0 to 200 PSI          | H20954  | HN20954                |
| 0 to 300 PSI          | H20958  | HN20958                |
| 0 to 400 PSI          | H20960  | HN20960                |
| 0 to 600 PSI          | H20964  | HN20964                |
| 0 to 1,000 PSI        | H20972  | HN20972                |
| 0 to 1,500 PSI        | H20974  | HN20974                |
| 0 to 2,000 PSI        | H20976  | HN20976                |
| 0 to 3,000 PSI        | H20978  | HN20978                |
| 0 to 5,000 PSI        | H20982  | HN20982                |
| 0 to 10,000 PSI       | H20990  | HN20990                |

### Specifications

|                       |   |  |
|-----------------------|---|--|
| Accuracy              | ASME Grade 1A – ± 1.0% of range across full scale |  |
| Case Material         | 304 Stainless Steel                               |  |
| Tube & Socket         | Copper Alloy                                      |  |
| Movement              | Stainless Steel                                   |  |
| Scale Standard        | Single scale PSI                                  |  |
| Dial Color            | Black markings on white                           |  |
| Pointer               | Aluminum, Adjustable Micrometer, black painted    |  |
| Window                | Safety Glass                                      |  |
| Fill Medium           | See options                                       |  |
| Vent                  | Rubber plug with snip-off feature                 |  |
| Case Size             | 100mm (4")  |  |
| Mounting / Case Style | LM  |  |
| Connection            | 1/2 NPT   |  |
| 0 to 30" Hg Vacuum    | H20505  |  |
| 0 to 15 PSI           | H20540  |  |
| 0 to 30 PSI           | H20542  |  |
| 0 to 60 PSI           | H20546  |  |
| 0 to 100 PSI          | H20548  |  |
| 0 to 160 PSI          | H20552  |  |
| 0 to 200 PSI          | H20554  |  |
| 0 to 300 PSI          | H20558  |  |
| 0 to 400 PSI          | H20560  |  |
| 0 to 600 PSI          | H20564  |  |
| 0 to 1,000 PSI        | H20572  |  |
| 0 to 1,500 PSI        | H20574  |  |
| 0 to 2,000 PSI        | H20576  |  |
| 0 to 3,000 PSI        | H20578  |  |
| 0 to 5,000 PSI        | H20582  |  |
| 0 to 10,000 PSI       | H20590  |  |

| Option        | Type                     | Suffix        | Available On Models |
|---------------|--------------------------|---------------|---------------------|
| Fill Medium   | Dry (no fill)            | Standard      | All Ranges          |
|               | Glycerine (GL)           | Add suffix P  |                     |
|               | Silicone (SL)            | Add suffix PI |                     |
| Catalog Dials | PSI only                 | E             |                     |
|               | Bar only                 | L1            |                     |
|               | kg/cm <sup>2</sup> only  | L2            |                     |
|               | kPa only                 | L3            |                     |
|               | MPa only                 | L4            |                     |
|               | PSI & BAR                | W1            |                     |
|               | PSI & kg/cm <sup>2</sup> | W2            |                     |
|               | PSI & MPa                | W4            |                     |

| Option        | Type                     | Suffix        | Available On Models |
|---------------|--------------------------|---------------|---------------------|
| Fill Medium   | Dry (no fill)            | Standard      | All Ranges          |
|               | Glycerine (GL)           | Add suffix P  |                     |
|               | Silicone (SL)            | Add suffix PI |                     |
| Catalog Dials | Bar only                 | L1            |                     |
|               | kg/cm <sup>2</sup> only  | L2            |                     |
|               | kPa only                 | L3            |                     |
|               | MPa only                 | L4            |                     |
|               | PSI & BAR                | W1            |                     |
|               | PSI & kg/cm <sup>2</sup> | W2            |                     |
|               | PSI & kPa                | W3            |                     |
|               | PSI & MPa                | W4            |                     |

## Bimetal Thermometers

- External Reset Feature for Field Recalibration (3" & 5")
- 9 Dual Scale Ranges to 1,000°F (525°C)
- Hermetically Sealed Case Design
- 2", 3" and 5" Dials
- Stem Lengths to 24"
- 1% Full Scale Accuracy



Marsh Instruments Bimetal Thermometers combine the benefits of economy and reliability for local mounted temperature indication in the dual scale ranges from -50° to 1,000°F (-40° to 525°C). Additional advantages offered by the Series "L" Bimetal Thermometers include an easy-to-read dual scale, fast speed of response, and accurate temperature indication. The hermetically sealed and ruggedly built case is resistant to shock, vibration, dust and moisture. Corrosion resistance to most chemicals is provided by the all welded type 304 Stainless Steel construction. The extremely responsive bimetal sensing element provides an accuracy to within  $\pm 1\%$  of scale. An external adjustment screw on the back of the 3" and 5" case provides convenient reset and field recalibration. Built-in over range protection is a standard feature.

Typical applications include process, offshore, power, chemical industries, HVAC and OEM applications.

## Specifications

|                              |  |        |        |        |        |        |
|------------------------------|--|--------|--------|--------|--------|--------|
| Accuracy                     | $\pm 1\%$ of span throughout entire range for 2" immersion in liquids, 4" in gases |        |        |        |        |        |
| Case Material                | 304 Stainless Steel  |        |        |        |        |        |
| Stem                         | 304 Stainless Steel, 1/4" diameter   |        |        |        |        |        |
| Dials                        | Dual scale in degrees Fahrenheit and Celsius                                       |        |        |        |        |        |
| Window                       | Glass, hermetically sealed   |        |        |        |        |        |
| Size                         | 2"   |        |        |        |        |        |
| Connection (NPT)             | 1/4 NPT  |        |        |        |        |        |
| Mounting                     | CB   | CB     | CB     | CB     | CB     |        |
| Stem Length                  | 2-1/2"   | 4"     | 6"     | 9"     | 12"    |        |
| -50° to 120°F/-40° to 50°C   | L11101   | L11201 | L11301 | L11401 | L11501 |        |
| -40° to 160°F/-40° to 70°C   | L11102   | L11202 | L11302 | L11402 | L11502 |        |
| 0° to 200°F/-20° to 90°C     | L11104   | L11204 | L11304 | L11404 | L11504 |        |
| 0° to 250°F/-20° to 120°C    | L11105   | L11205 | L11305 | L11405 | L11505 |        |
| 50° to 300°F/10° to 150°C    | L11106   | L11206 | L11306 | L11406 | L11506 |        |
| 50° to 400°F/10° to 200°C    | L11107   | L11207 | L11307 | L11407 | L11507 |        |
| 50° to 550°F/10° to 300°C    | L11108   | L11208 | L11308 | L11408 | L11508 |        |
| 150° to 750°F/70° to 400°C   | L11110   | L11210 | L11310 | L11410 | L11510 |        |
| 200° to 1000°F/100° to 525°C | L11111   | L11211 | L11311 | L11411 | L11511 |        |
| Size                         | 3"   |        |        |        |        |        |
| Connection (NPT)             | 1/2 NPT  |        |        |        |        |        |
| Mounting                     | CB   | CB     | CB     | CB     | CB     | CB     |
| Stem Length                  | 2-1/2"   | 4"     | 6"     | 9"     | 12"    | 15"    |
| -50° to 120°F/-40° to 50°C   | L31101   | L31201 | L31301 | L31401 | L31501 | L31601 |
| -40° to 160°F/-40° to 70°C   | L31102   | L31202 | L31302 | L31402 | L31502 | L31602 |
| 0° to 200°F/-20° to 90°C     | L31104   | L31204 | L31304 | L31404 | L31504 | L31604 |
| 0° to 250°F/-20° to 120°C    | L31105   | L31205 | L31305 | L31405 | L31505 | L31605 |
| 50° to 300°F/10° to 150°C    | L31106   | L31206 | L31306 | L31406 | L31506 | L31606 |
| 50° to 400°F/10° to 200°C    | L31107   | L31207 | L31307 | L31407 | L31507 | L31607 |
| 50° to 550°F/10° to 300°C    | L31108   | L31208 | L31308 | L31408 | L31508 | L31608 |
| 150° to 750°F/70° to 400°C   | L31110   | L31210 | L31310 | L31410 | L31510 | L31610 |
| 200° to 1000°F/100° to 525°C | L31111   | L31211 | L31311 | L31411 | L31511 | L31611 |



| Size                          | 3" Adjustable Angle |        |        |        |        |        |
|-------------------------------|---------------------|--------|--------|--------|--------|--------|
| Connection (NPT)              | 1/2 NPT             |        |        |        |        |        |
| Mounting                      | AJ                  | AJ     | AJ     | AJ     | AJ     | AJ     |
| Stem Length                   | 2-1/2"              | 4"     | 6"     | 9"     | 12"    | 15"    |
| -50° to 120°F/-40° to 50°C    | L33101              | L33201 | L33301 | L33401 | L33501 | L33601 |
| -40° to 160°F/-40° to 70°C    | L33102              | L33202 | L33302 | L33402 | L33502 | L33602 |
| 0° to 200°F/-20° to 90°C      | L33104              | L33204 | L33304 | L33404 | L33504 | L33604 |
| 0° to 250°F/-20° to 120°C     | L33105              | L33205 | L33305 | L33405 | L33505 | L33605 |
| 50° to 300°F/ 10° to 150°C    | L33106              | L33206 | L33306 | L33406 | L33506 | L33606 |
| 50° to 400°F/ 10° to 200°C    | L33107              | L33207 | L33307 | L33407 | L33507 | L33607 |
| 50° to 550°F/ 10° to 300°C    | L33108              | L33208 | L33308 | L33408 | L33508 | L33608 |
| 150° to 750°F/ 70° to 400°C   | L33110              | L33210 | L33310 | L33410 | L33510 | L33610 |
| 200° to 1000°F/ 100° to 525°C | L33111              | L33211 | L33311 | L33411 | L33511 | L33611 |

| Size                          | 5"      |        |        |        |        |        |        |        |
|-------------------------------|---------|--------|--------|--------|--------|--------|--------|--------|
| Connection (NPT)              | 1/2 NPT |        |        |        |        |        |        |        |
| Mounting                      | CB      | CB     | CB     | CB     | CB     | CB     | CB     | CB     |
| Stem Length                   | 2-1/2"  | 4"     | 6"     | 9"     | 12"    | 15"    | 18"    | 24"    |
| -50° to 120°F/-40° to 50°C    | L51101  | L51201 | L51301 | L51401 | L51501 | L51601 | L51701 | L51801 |
| -40° to 160°F/-40° to 70°C    | L51102  | L51202 | L51302 | L51402 | L51502 | L51602 | L51702 | L51802 |
| 0° to 200°F/-20° to 90°C      | L51104  | L51204 | L51304 | L51404 | L51504 | L51604 | L51704 | L51804 |
| 0° to 250°F/-20° to 120°C     | L51105  | L51205 | L51305 | L51405 | L51505 | L51605 | L51705 | L51805 |
| 50° to 300°F/ 10° to 150°C    | L51106  | L51206 | L51306 | L51406 | L51506 | L51606 | L51706 | L51806 |
| 50° to 400°F/ 10° to 200°C    | L51107  | L51207 | L51307 | L51407 | L51507 | L51607 | L51707 | L51807 |
| 50° to 550°F/ 10° to 300°C    | L51108  | L51208 | L51308 | L51408 | L51508 | L51608 | L51708 | L51808 |
| 150° to 750°F/ 70° to 400°C   | L51110  | L51210 | L51310 | L51410 | L51510 | L51610 | L51710 | L51810 |
| 200° to 1000°F/ 100° to 525°C | L51111  | L51211 | L51311 | L51411 | L51511 | L51611 | L51711 | L51811 |

| Size                          | 5" Adjustable Angle |        |        |        |        |        |        |        |
|-------------------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Connection (NPT)              | 1/2 NPT             |        |        |        |        |        |        |        |
| Mounting                      | AJ                  | AJ     | AJ     | AJ     | AJ     | AJ     | AJ     | AJ     |
| Stem Length                   | 2-1/2"              | 4"     | 6"     | 9"     | 12"    | 15"    | 18"    | 24"    |
| -50° to 120°F/-40° to 50°C    | L53101              | L53201 | L53301 | L53401 | L53501 | L53601 | L53701 | L53801 |
| -40° to 160°F/-40° to 70°C    | L53102              | L53202 | L53302 | L53402 | L53502 | L53602 | L53702 | L53802 |
| 0° to 200°F/-20° to 90°C      | L53104              | L53204 | L53304 | L53404 | L53504 | L53604 | L53704 | L53804 |
| 0° to 250°F/-20° to 120°C     | L53105              | L53205 | L53305 | L53405 | L53505 | L53605 | L53705 | L53805 |
| 50° to 300°F/ 10° to 150°C    | L53106              | L53206 | L53306 | L53406 | L53506 | L53606 | L53706 | L53806 |
| 50° to 400°F/ 10° to 200°C    | L53107              | L53207 | L53307 | L53407 | L53507 | L53607 | L53707 | L53807 |
| 50° to 550°F/ 10° to 300°C    | L53108              | L53208 | L53308 | L53408 | L53508 | L53608 | L53708 | L53808 |
| 150° to 750°F/ 70° to 400°C   | L53110              | L53210 | L53310 | L53410 | L53510 | L53610 | L53710 | L53810 |
| 200° to 1000°F/ 100° to 525°C | L53111              | L53211 | L53311 | L53411 | L53511 | L53611 | L53711 | L53811 |