

# Special Application Ranges

The H.O. Trerice Co. offers a broad spectrum of pressure gauges to satisfy the specialized applications of today's industry. The following Special Application Ranges can be specified on almost all Trerice Pressure Gauges. Please consult Availability Table on page 38.

## Liquid Level Ranges (Altitude)

A Liquid Level range is calibrated to measure feet or meters of H<sub>2</sub>O (water). Gauges with this type of range are usually specified with either an optional red set hand (not available on 8<sup>1</sup>/<sub>2</sub>" or 12" Dial Sizes) or an index pointer (not available on liquid filled gauges). See Options & Accessories section for complete availability. Dual scale ranges with ft H<sub>2</sub>O and corresponding psi scales are available.

### Standard Liquid Level Ranges

psi & Feet of Water Ranges (H)					
Range Code	Range	psi		ft H <sub>2</sub> O	
		Figure Intervals	Minor Divisions	Figure Intervals	Minor Divisions
010	30" Hg to 0 / -34 to 0 ft H <sub>2</sub> O	5	0.5	5	0.5
020	30" Hg to 15 psi / -34 to 34 ft H <sub>2</sub> O	10/5	0.5/0.2	5/5	0.5/0.5
030	30" Hg to 30 psi / -34 to 70 ft H <sub>2</sub> O	10/5	0.5/0.5	10/10	1/1
040	30" Hg to 60 psi / -34 to 140 ft H <sub>2</sub> O	10/10	1/1	10/20	2/2
050	30" Hg to 100 psi / -34 to 230 ft H <sub>2</sub> O	30/20	2/1	30/20	2/2
060	30" Hg to 150 psi / -34 to 350 ft H <sub>2</sub> O	30/30	5/2	34/50	2/2
070	30" Hg to 200 psi / -34 to 450 ft H <sub>2</sub> O	30/20	5/2	34/50	10/5
080	0 to 15 psi / 0 to 35 ft H <sub>2</sub> O	3	0.1	5	0.2
090	0 to 30 psi / 0 to 70 ft H <sub>2</sub> O	5	0.2	10	0.5
100	0 to 60 psi / 0 to 140 ft H <sub>2</sub> O	10	0.5	20	1
110	0 to 100 psi / 0 to 230 ft H <sub>2</sub> O	10	1	20	2
120	0 to 160 psi / 0 to 370 ft H <sub>2</sub> O	20	2	40	5
130	0 to 200 psi / 0 to 460 ft H <sub>2</sub> O	20	2	60	4
140	0 to 300 psi / 0 to 700 ft H <sub>2</sub> O	50	2	100	5

Feet of Water Ranges (J)			
Range Code	Range	Figure Intervals	Minor Divisions
080	0 to 34 ft H <sub>2</sub> O	5	0.2
090	0 to 70 ft H <sub>2</sub> O	10	0.5
095	0 to 100 ft H <sub>2</sub> O	10	1
100	0 to 140 ft H <sub>2</sub> O	20	1
110	0 to 230 ft H <sub>2</sub> O	20	2
120	0 to 370 ft H <sub>2</sub> O	50	5
130	0 to 460 ft H <sub>2</sub> O	50	5

Meters of Water Ranges (K)			
Range Code	Range	Figure Intervals	Minor Divisions
080	0 to 10 m H <sub>2</sub> O	1	0.1
090	0 to 20 m H <sub>2</sub> O	2	0.2
095	0 to 30 m H <sub>2</sub> O	5	0.2
100	0 to 40 m H <sub>2</sub> O	5	0.5
110	0 to 70 m H <sub>2</sub> O	10	0.5
120	0 to 120 m H <sub>2</sub> O	10	1

Other ranges available, consult factory.

# Special Application Ranges

## Ammonia Ranges

An Ammonia Range is calibrated to measure vacuum and pressure (vac/psi) along with the corresponding ammonia temperatures (°F of ammonia). Pressure gauges with this range type require stainless steel wetted parts.

### Standard Ammonia Ranges (P)

Range Code	Range	psi		°F	
		Figure Intervals	Minor Divisions	Figure Intervals	Minor Divisions
310	30" Hg to 150 psi / °F Ammonia	30	2	10	2
320	30" Hg to 300 psi / °F Ammonia	50	2	10	2

*Other ranges available, consult factory.*

## Refrigerant Ranges

A Refrigerant Range is calibrated to measure vacuum and pressure (vac/psi) along with the corresponding refrigerant temperatures (°F of R).

### Standard Refrigerant Ranges (R)

Range Code	Range	psi		°F	
		Figure Intervals	Minor Divisions	Figure Intervals	Minor Divisions
310	30" Hg to 150 psi / °F R12/R22	25	1	10	2
320	30" Hg to 150 psi / °F R123	30	2	20	5
330	30" Hg to 150 psi / °F R134A	30	2	10	2
340	30" Hg to 300 psi / °F R12/R22	50	2	10	2
350	30" Hg to 300 psi / °F R123	50	2	20	5
360	30" Hg to 300 psi / °F R134A	50	2	20	2

*Other ranges available, consult factory.*

## Receiver Ranges

A Receiver Range is calibrated to translate the output signal from a 3 to 15 psi pneumatic transmitter into a specified measurement (i.e., temperature, pressure, square root, percent, etc.). Pressure gauges ordered with a receiver range are furnished with a 3 to 15 psi bourdon tube measuring element. **Care should be taken to ensure the maximum pressure never exceeds 15 psi.**

### Standard Receiver Ranges (S)

Range Code	Range	Figure Intervals	Minor Divisions
060	0 to 10 linear	1	0.1
110	0 to 10 sq. rt.	1*	0.1*
370	0 to 100 linear	10	1
440	0 to 100 sq. rt.	10**	1**
420	0 to 100%	10	1

*\*Non linear scale, stated interval and division at 3.*

*\*\*Non linear scale, stated interval and division at 30.*

*Other ranges available, consult factory.*

# Special Application Ranges

## Availability

The following table indicates the special application range availability of Trerice Pressure Gauges.

Model	Liquid Level (Altitude)	Ammonia	Refrigerant	Receiver
450B, 450LFB	✓	N/A	✓	✓
450M, 450LFM	✓	N/A	✓	✓
450SS, 450LFSS	✓	✓	✓	✓
500XB	✓	N/A	✓	✓
500XSS	✓	✓	✓	✓
600CB	✓	N/A	✓	N/A
610CB	✓	N/A	✓	N/A
620B	N/A	N/A	N/A	N/A
690 Series	✓	N/A	✓	N/A
700B, 700LFB	✓	N/A	✓	✓
700M, 700LFM	✓	N/A	✓	✓
700Plus	✓	✓	N/A	N/A
700SS, 700LFSS	✓	✓	✓	✓
700TA, 700TALF*	✓	✓	✓	N/A
750M, 750LFM	✓	N/A	✓	✓
750SS, 750LFSS	✓	✓	✓	✓
760B*	N/A	N/A	N/A	N/A
766SS*	N/A	N/A	N/A	N/A
800B	✓	N/A	✓	N/A
800LFB*	✓	N/A	✓	N/A
D82LFB*	✓	N/A	✓	✓
D83LFSS*	✓	✓	✓	✓

\*Red set hand or index pointer not available with these models.

## Specialty Gauge Models

Listed below are Specialty Gauge Models that were previously available. In response to demand, we can now make available a wide number of ranges to customize most Trerice Pressure Gauges to suit specific measurement applications. Please order using the current model and specify the range required.

Previous Model	Current Model and Range
435SS	450SS with Ammonia Range
515XB	500XB with Liquid Level Range and Red Set Hand
535XSS	500XSS with Ammonia Range
545XB	500XB with Refrigerant Range
580B	500XB with Receiver Range
615B	500XB with Liquid Level Range and Red Set Hand
615CB	600CB with Liquid Level Range and Red Set Hand
635SS	500XSS with Ammonia Range
645B	500XB with Refrigerant Range
680B	500XB with Receiver Range
775SS	700SS with Ammonia Range

## HOW TO ORDER

Sample Order Number: **500XB 45 02L H 110**

Specify the Units of Measure and Range Code as required.