

# MODEL 3665 TIRE GAUGE CALIBRATOR

Designed to test piston-actuated gauges, inflater assemblies, and inflater assembly gauge elements in two basic ranges: 10 to 150 psig and 50 to 606 psig. The Tire Gauge Calibrator is housed in a cabinet suitable for bench-top operation with all controls and indicators mounted on the front panel. The method of calibration is by direct comparison of the test item indication with the higher accuracy reference standard gauges of the calibrator.

The calibrator includes a charging valve with an integral relief valve, a feeder hose, a supply hose, and fittings for adapting inflater assembly gauge elements to the charging valve coupling.

The reference standard gauges are precision, 6-inch diameter gauges with mirrored dials. Each gauge is protected against over-pressurization by gauge savers. As additional protection, the low-range gauge pressure circuit includes a pressure-switch actuated solenoid valve, and the high range gauge pressure

circuit includes a pressure relief valve as an integral part of the charging valve. An internal plenum chamber is mounted in the cabinet. The plenum chamber is an aluminum cylinder with a volume of 172 cubic inches. The chamber simulates the volume of a typical tire, strut, or accumulator.

The calibrator is designed to operate from an external source of dry nitrogen or clean, dry air at a maximum inlet pressure of 3000 psig.

## SPECIFICATIONS

<b>Operating Media:</b>	Dry nitrogen or clean, dry air
<b>Pressures:</b>	
Inlet (maximum)	3000 psig
Test Circuit (maximum)	1000 psig
<b>Reference Standard Gauges:</b>	
Dial Size	6 inch, mirrored dial
Accuracy	± 1 /4% of full, scale
Range:	
Low-Range Gauge	0 to 200 psig
High-Range Gauge	0 to 606 psig
<b>Gauge Saver Setting:</b>	
Low-Range Gauge	210 to 220 psig
High-Range Gauge	620 to 630 psig
<b>Charging Valve Relief Valve Setting</b>	630 to 650 psig
<b>Pressure Switch Setting</b>	190 to 195 psig
<b>Regulated Pressure Gauge Range</b>	0 to 1000 psig
<b>Supply Pressure Gauge Range</b>	0 to 1000 psig
<b>Plenum Chamber:</b>	
Volume	172 cubic inches
Rated Pressure	2215 psig

<b>Inlet Hose:</b>	
Pressure Rating	3000 psig Max W.P.
Length	8 feet
Fittings	Nitrogen cylinder adapter at one end; quick-disconnect coupling opposite end
<b>Feeder Hose:</b>	
Pressure Rating	1000 psig
Length	12 inches
Fittings	Male quick-disconnect at both ends
<b>Power Requirements:</b>	
Input Voltage	115-volts 60-Hz ac
Current Drain	3 amperes
<b>Dimensions:</b>	
Length	22 inches
Width	19 inches
Height	19.5 inches
<b>Weight</b>	56 pounds
<b>Color</b>	Blue