

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 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, mounted in the cabinet, simulates the volume of a typical tire, strut, or accumulator.



Model 3665 Tire Gauge Calibrator



Model 3665 Tire Gauge Calibrator Specifications

Operating Media:		Dry nitrogen or clean, dry air	Feeder hose:		Pressure rating	1000 psig
Pressures:	Inlet (maximum)	3000 psig	Power Requirements:	Length	12 inches	
	Test Circuit (max)	1000 psig		Fittings	Male quick disconnect at both ends	
Reference Standard Gauges:	Dial Size	6 in, mirrored dial		Input Voltage	115 volts 60 Hz ac	
	Accuracy	±1/4% of full scale	Current Drain	3 amperes		
Gauge Saver Setting:	Range: Low-Range Gauge	0 - 200 psig	Dimensions:	L x W x H	22" x 19" x 19.5"	
	High-Range Gauge	0 to 606 psig		Weight	56 lbs	
	Low-Range Gauge	210 to 220 psig	Color			Blue
	High-Range Gauge	620 to 650 psig				
Charging Valve Relief Valve Setting		630 to 650 psig				
Pressure Switch Setting		190 to 195 psig				
Regulated Pressure Gauge Range		0 to 1000 psig				
Supply Pressure Gauge Range		0 to 1000 psig				
Plenum Chamber:	Volume	172 cubic inches				
	Related Pressure	2215 psig				
Inlet Hose:	Pressure rating	3000 psig Max WP				
	Length	8 ft				
	Fittings	Nitrogen cylinder adapter one end;				
		quick disconnect opposite end.				