## Squirt<sup>®</sup> Gas Bump Tester

Description

Provides a lightweight, convenient and inexpensive way to check the sensor response of MSA instruments. The bump test supplements regular calibration at a service center or maintenance department. It uses a disposable cylinder of 11 liters of gas, works without a regulator and gives you a reading as fast as 15 seconds. Its ease of use promotes tests in the field, on the shop floor or in the truck. The kit comes with three balloons and all the necessary tubing and fittings to attach to the instrument, packed in a vinyl carrying bag.



Squirt Gas Bump Test Kit, less cylinder, but with required fittings and adapters, complete with instructions

Squirt Gas Cylinder	<u>Co</u> Methane	ombustible Pentane Simulant	Oxygen	Carbon Monoxide	Hydrogen Sulfide	Isobutylene	Balance
815307	2.5%	See cylinder	_	_	_	_	Air
814350	2.5%	—	15% 0 <sub>2</sub>	60 ppm CO		_	Nitrogen
814349	2.5%	—	15% O <sub>2</sub>	300 ppm CO	25 ppm H <sub>2</sub> S	_	Nitrogen
814497	1.3%	52% LEL	15% O <sub>2</sub>	60 ppm CO			Nitrogen
814559	1.3%	52% LEL	15% O <sub>2</sub>	300 ppm CO	25 ppm H <sub>2</sub> S	_	Nitrogen
814978	—	—	—	60 ppm CO	—	—	Air
814979	_	—	_	—	25 ppm H <sub>2</sub> S	_	Nitrogen
815308	1.3%	52% LEL	15% 0 <sub>2</sub>	_	_		Nitrogen
815704	_	_	_			100 ppm	Air
	Cylinder   815307   814350   814349   814497   814559   814978   814979   814979	Cylinder Methane   815307 2.5%   814350 2.5%   814349 2.5%   814497 1.3%   814559 1.3%   814978 —   814979 —   815308 1.3%	Cylinder Methane Pentane Simulant   815307 2.5% See cylinder   814350 2.5% —   814350 2.5% —   814349 2.5% —   814349 1.3% 52% LEL   814497 1.3% 52% LEL   814559 1.3% 52% LEL   814978 — —   814979 — —   815308 1.3% 52% LEL	Cylinder Methane Pentane Simulant Oxygen   815307 2.5% See cylinder —   814350 2.5% — 15% O2   814349 2.5% — 15% O2   814349 2.5% — 15% O2   814497 1.3% 52% LEL 15% O2   814559 1.3% 52% LEL 15% O2   814978 — — —   814979 — — —   815308 1.3% 52% LEL 15% O2	Cylinder Methane Pentane Simulant Oxygen Monoxide   815307 2.5% See cylinder — —   814350 2.5% — 15% O <sub>2</sub> 60 ppm CO   814349 2.5% — 15% O <sub>2</sub> 300 ppm CO   814349 2.5% — 15% O <sub>2</sub> 60 ppm CO   814497 1.3% 52% LEL 15% O <sub>2</sub> 60 ppm CO   814559 1.3% 52% LEL 15% O <sub>2</sub> 300 ppm CO   814978 — — — 60 ppm CO   814979 — — — —   815308 1.3% 52% LEL 15% O <sub>2</sub> —	Cylinder Methane Pentane Simulant Oxygen Monoxide Sulfide   815307 2.5% See cylinder — — — —   814350 2.5% See cylinder — 15% O2 60 ppm CO —   814350 2.5% — 15% O2 300 ppm CO 25 ppm H2S   814349 2.5% — 15% O2 300 ppm CO 25 ppm H2S   814497 1.3% 52% LEL 15% O2 300 ppm CO 25 ppm H2S   814559 1.3% 52% LEL 15% O2 300 ppm CO 25 ppm H2S   814978 — — — 60 ppm CO —   814979 — — — 25 ppm H2S   814979 — — — 25 ppm H2S   815308 1.3% 52% LEL 15% O2 — —	Cylinder Methane Pentane Simulant Oxygen Monoxide Sulfide Isobutylene   815307 2.5% See cylinder — …

\* Shelf life item. See note page 54.

\*\* Requires calibration adapter.

**Contents:** Pressure 155 psig Approximately 11 liters at 70°F MSA certifies that the gas mixture in calibration gas cylinders was prepared gravimetrically, using NIST traceable weights. The lot number and nominal value of the gas constituents in percent by volume, percent by mass, PPM mass or volume are specified on the cylinder. The uncertainty statement of the specified nominal value is also listed.

Part No.

813411

Each MSA Calibration Gas Cylinder is shipped with an individual copy of a material safety data sheet (MSDS) and an individual copy of a certificate of analysis.