

The Puffer

For Gas Sensor Bump Testing



- Available for five gases
- Battery operated
- Replaceable generators
- Generator life indicator
- Water resistant

Series A24
Test Gas Generator

Series A24 Puffer Test Generator: For Periodic Bump Testing Of Your Portable And Fixed Gas Detection Equipment

Many safety programs require response testing of the portable detectors used for personal monitoring, prior to use. Fixed detectors must also be tested to ensure they remain sensitive to the target gas.

Regular "puff tests" can provide a quick check of sensor response. These involve briefly exposing the gas sensors to a puff of air containing a small amount of the target gas. This is often done quite effectively using cylinder gas from calibration cylinders. However, the high cost of the cylinder gas can make this test fairly expensive. What's more, compressed gas cylinders can be difficult to transport, creating possible supply problems for users.

The A24 Puffer is a portable, battery-operated instrument containing a gas generator and simple hand pump that provides the puff of air needed for sensor response checks.

For puff testing diffusion type gas detectors, the Puffer includes a short outlet tube. Gas is ejected from the generator by pressing the bladder on the front of the unit. For testing detectors with internal sampling pumps, a plug on the unit is removed so that the sampling pump can pull air through the generator cell for delivery to the detector.

Puffers are water resistant for use in any environment and are designed to intrinsic safety standards. Generator cells provide hundreds of tests, with an LED to indicate the remaining life of the generator cell. Generator cells are easily changed, and the life indicator can be reset when a new generator is installed.



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Specifications

Power:	9 VDC alkaline battery
Generator:	Electrochemical
Gen. Life:	1000 cycles for Cl ₂ , 350 cycles for other gases
Pump:	Manual bladder
Display:	Single digit LED
Outlet Tube:	6" (152 mm) polyethylene
Enclosure:	Nema 4X (IP-66)
Size:	4.7" x 3.2" x 2.4" (120 x 80 x 60 mm)
Weight:	0.7 lbs (333 Gr)

Ordering Information

Each Puffer Bump Test Generator is supplied with a specific gas generator cell factory installed. Spare generator cells may be ordered separately. Spare generators should be stored in a refrigerator in the sealed container in which they are shipped.

00-1397	A24-11 Cl ₂ Puffer
00-1398	A24-24 H ₂ S Puffer
00-1399	A24-15 NH ₃ Puffer
00-1400	A24-16 CO Puffer
00-1401	A24-27 SO ₂ Puffer

Replacement Generator Cells

00-1433	D18-11 Cl ₂ Generator Cell
00-1434	D18-15 NH ₃ Generator Cell
00-1435	D18-16 CO Generator Cell
00-1436	D18-24 H ₂ S Generator Cell
00-1437	D18-27 SO ₂ Generator Cell