

Data Sheet UFS-316A Rev. 1.04 Page 1 of 1

---

**NITROGEN-PAC ACCESSORIES**

---

**N<sub>2</sub> PURITY ANALYZER – HAND-HELD  
MODEL NA-1**

**Description**

The **UNITED Fire Systems Model NA-1** is a device designed to permit manual monitoring of the percent nitrogen at either a **NITROGEN-PAC™** purge vent assembly or at the system's nitrogen generator assembly. Occasional monitoring at the nitrogen generator assembly provides assurance that the device is performing as intended. Monitoring at the system's purge vent assemblies provides assurance that 98% nitrogen is present, and air has been expelled from the sprinkler system. The **Model NA-1** analyzer is hand-held, battery operated, and contains a large, 3-digit display directly reading the percent nitrogen when attached to a sampling point. The analyzer is equipped with a length of flexible tubing and the female portion of a quick-connect, compatible with both the sampling point on the nitrogen generator assembly and on the purge vent assemblies.

**Technical Data**

- Measurement Range = 0-99.9% nitrogen
- Resolution = 0.1% nitrogen
- Accuracy = ±1%
- Operating Temperature Range = 59°F to 104°F (15°C to 40°C)
- Storage Temperature Range = 5°F to 122°F (-15°C to 50°C)
- Warm-up Time = None required
- Response Time = 90% of final value in approx. 15 sec. @ 73°F (23°C)
- Humidity Operating Range = 0 to 95% (non-condensing)
- Battery Type = Qty. (2) AA alkaline batteries
- Expected Battery Life = 5,000+ hours
- Predicted Sensor Life = 2 years (approx.)
- Weight = Approx. 3 ounces (85 grams)
- For use with:
  - **M Series** nitrogen generator modules.
  - **Model SC-1** and **SC-2** nitrogen generator assemblies
  - **Model PVA-1** and **Model PVA-3** purge vent assemblies

**Ordering Information**

- **Model NA-1**

**UNITED Fire Systems**

Division of United Fire Protection Corporation  
1 MARK ROAD

KENILWORTH, NJ 07033 USA

PHONE: 908-688-0300 FAX: 908-688-0218

[unitedfiresystems.com](http://unitedfiresystems.com)

This literature is provided for informational purposes only. United Fire Protection Corporation assumes no responsibility for the product's suitability for a particular application. The product must be properly applied to perform as intended.