

TROYA



Always Ahead!

NPS (I)

NITROGEN PURGING STATION FOR NIGHT VISION DEVICES

Night Vision Devices (NVDs) are required to be sealed and purged with dry Nitrogen. This is done in order to maximize their observation capabilities and preserve the optical performance, as well as to prolong the life of the inner parts of the device. It is very important to preserve an optimal purging condition within the device in order to prevent humidity from entering it and causing wetness and dampness on the lenses.

TROYA's lightweight portable Nitrogen Purging Station features a highly accurate digital pressure indication with an automated vacuum pre-setting capability, containing an internal rechargeable battery for long duration and independent operation, an electric vacuum pump, a manual operation modes' valve for the purging and leak detection process.

- ⊕ Relinquishes Moisture and Replaces with Dry Nitrogen
- ⊕ Compatible with Various NVD Manufacturers
- ⊕ Procedure Takes Only a Few Minutes
- ⊕ System Leaks' Detection



** TROYA's testing stations are a derivative of the company's real hands-on experience in the night vision world*

NPS (I)

NITROGEN PURGING STATION FOR NIGHT VISION DEVICES

TROYA's Nitrogen Purging Station (NPS) is battery powered (or external source) and is operated manually. The NPS includes a vacuum pump with leak detection capability, and a refillable nitrogen tank. It is very lightweight (hard carrying case included) and hence portable.

TECHNICAL SPECIFICATIONS:

Power Source	3 cells Li-Ion Battery Charger, 100-220VAC 50-60Hz 0.35A, 12.6 VDC/1.2A or External (DC 5v)
High Pressure Gauge	0 to 145 psi
Low (Vacuum) Pressure Gauge	0 to -14.1 psi
Maximum Allowed Pressure Drop	0.06 psi/min
Initial Nitrogen Pressure	3.0 ±0.5 psi
Pressure Regulator	30 psi / 2 ATM
Size (L x W x H)	210 X 160 X 133mm
Operation Temperature	0°C to +55°C
Weight	3 Kg
Nitrogen Type	MIL-P-27401 Type I Grade C



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