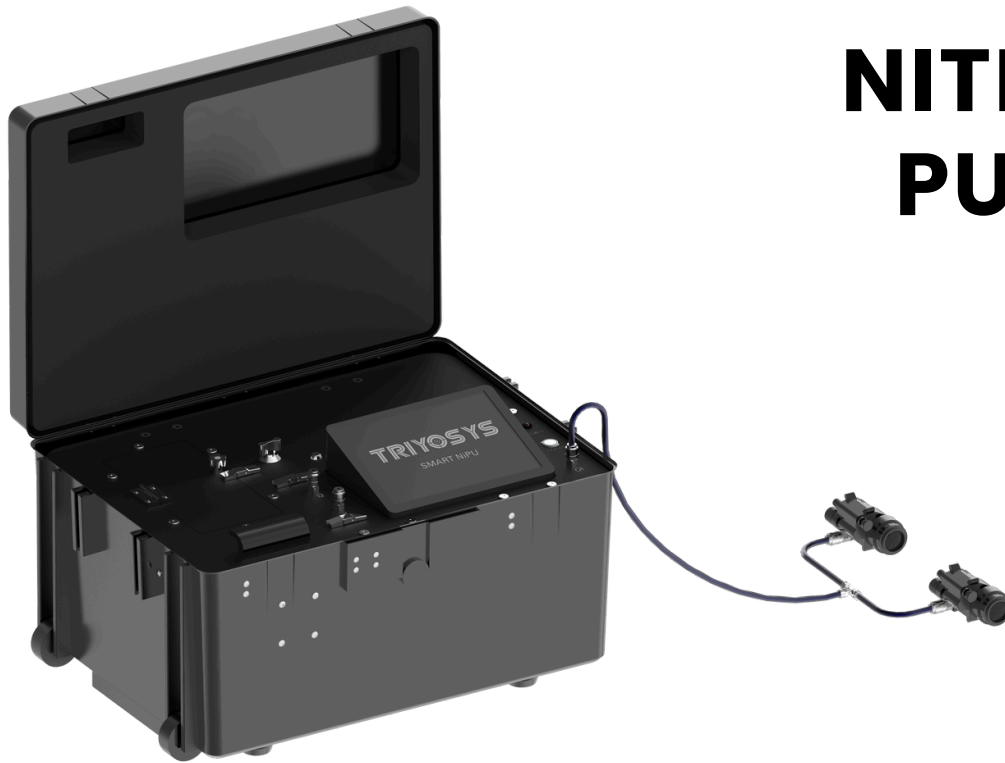


SMART NiPU NITROGEN PURGING UNIT

In the realm of high-precision electronic and optical equipment, especially high voltage laser systems, maintaining an optimal environment is crucial. The introduction of SMART NiPU marks a significant advancement in this field. This cutting-edge technology is specifically designed to enhance the effectiveness and efficiency of dry nitrogen purging, a critical process for the upkeep and performance of sensitive equipment.

- 1 Optical Instruments
- 2 Laser Systems
- 3 Underwater Equipment
- 4 Thermal Imaging
- 5 Surveillance Instruments
- 6 Work Stations





NITROGEN PURGING UNIT SMART NiPU

The Smart NiPU is an automated nitrogen gas purging and leakage test system for electronic, optical, high voltage, laser systems and other equipment that require gas drying inside. It is designed to perform humidity removal and leak testing in the most efficient way.

Completely Automated Use;

One of the most important features that makes the Smart NiPU perfect is that completely automated and smart system. The user can easily change the pressure values as mBar, kPa or PSI. At the same time, the temperature unit can be set as °C or °F. It is the most automated and smartest system of its class in the purging process and leakage test, it is sufficient to connect the equipment and enter the dew point and pressure value for use. The system will continue the purging process until the desired dew point value is reached. Dew point value is instantly displayed on the screen in the form of a time-dependent graphic. In the leak test, the tolerance value can be specify by the user. Pressure changes can be displayed instantly or retrospectively

Dew Point Feature;

Humidity in the gas and gas quality is expressed as dew point. Smart NiPU measures the dew point in an equipment. The measured dew point value can be displayed instantaneously in graphical form. The purging process is carried out by taking the dew point value as a reference

Adjustable Purging

Process; Purging process can be done at any desired value between 0 and 1000 mBar. The pressure resolution for the purging process is 1 mBar. Thanks to this feature, the purging process is carried out in the most efficient way for different equipments

Vacuum Feature;

Another feature that put forward Smart NiPU from similar ones is its ability to vacuum. Thanks to its vacuum feature, unwanted humid air is completely thrown out of the system. Thus, the purging time is reduced.

Ultra Economical Gas Usage;

Thanks to the precision pressure regulator, excess pressure is not released during the purging process. Thus, unnecessary gas consumption is prevented.

NITROGEN PURGING UNIT



The Smart NiPU is an automated nitrogen gas purging and leakage test system for electronic, optical, high voltage, laser systems and other equipment that require gas drying inside.

It is designed to perform humidity removal and leak testing in the most efficient way.

Technical data	TS-AG-O-01	TS-AG-O-02
Useable Gases	Air, Nitrogen, SF6, Helium, Argon	Air, Nitrogen, SF6, Helium, Argon
Adjustable Pressure Ranges	0-1000 mBar	0-2000 mBar
Adjustable Pressure Resolution	1 mBar	1 mBar
Display Pressure Resolution	0.1 mBar	0.1 mBar
Adjustable Vacuum Pressure Ranges*	700 mBar	700 mBar
Dew Point Range	-80°C / +20°C	-80°C / +20°C
Dew Point Accuracy	±2°C	±2°C
Dew Point Precision	0.1°C	0.1°C
Power consumption	20 W	20 W
Input Voltage	220 V	220 V
Dimensions	668x476x369 mm (26.3x18.7x14.5 inch)	668x476x369 mm (26.3x18.7x14.5 inch)
Weight	35 kg	35 kg
Operating temperature	-10°C / +50°C	-10°C / +50°C
Storage Temperature	-40°C / +60°C	-40°C / +60°C

- for fully sealed conditions

Input q-ty	PORTABLE TYPE/ with tube	PORTABLE TYPE/ without tube	PANNEL TYPE
1	TS-AG-0-01	TS-AG-0-C-01	TS-AG-0-P-01
3	TS-AG-0-03	TS-AG-0-C-03	TS-AG-0-P-03
5	TS-AG-0-05	TS-AG-0-C-05	TS-AG-0-P-05