

# NiGen Micro

## Laboratory Nitrogen Gas Generator



The Leader in On-site Hydrogen Generation



TECHNICAL FEATURES	NiGen Micro
FLOW RATE*	5000 cc / min
TECHNOLOGIES EMPLOYED	PSA
OUTPUT PRESSURE	0 to 7 barg / 0 to 100 psig
PURITY	99.5%
OXYGEN AT MAX FLOW	10 ppm
MOISTURE AT MAX FLOW	- 44°C dew-point STP, < 80 ppm
AIR INPUT CHARACTERISTICS	Particulate ≤ 0.01 micron Oil vapors ≤ 0.01 mg / m <sup>3</sup> Moisture ≤ 3°C dew point in pressure Min pressure 8.5 barg
AIR COMPRESSOR	No
ELECTRICAL SUPPLY	115 VAC ± 10%, 60 Hz 230 VAC ± 10%, 50 Hz
INDEX OF PROTECTION	IP20
OPERATING TEMPERATURE	40°F to 100°F / 5°C to 40°C
ENVIRONMENTAL MOISTURE	≤ 80%
MAX ALTITUDE	2000 m or 6560 ft above sea level
DIMENSIONS	15.8" + 2.8" (H) CPU x 14.9" (W) x 20.8" (D) 40 cm + 7 cm (H) CPU x 38 cm (W) x 53 cm (D)
WEIGHT	62 lbs / 28 kg
APPLICATIONS	CC - ICP
ADDITIONAL FEATURES	
	Stackable
	CPU for control of 32 units
	CAN-BUS communication
	Maintenance diary
	Report alarms
ACCESSORIES	
	Inlet air coalescing filter
	Air dryer membrane
	Pressure regulator kit
	Installation kit
	Automatic 2 sources switch kit

\*Measured at standard conditions.



PD-0100-0079 Rev. A, 02.10  
 © 2010 Proton Energy Systems, Inc. All Rights Reserved.  
 Proton, Proton Energy Systems, the Proton symbol, and HOGEN are registered trademarks of Proton Energy Systems, Inc.

