

The MINILAB Automatic Pressurization Dehydrator is designed for reliable pressurization of elliptical waveguide, coaxial cable and rigid transmission line systems.

The dehydrator includes a self contained completely automated air drying system that utilizes a pressure swing moisture absorption cycle to provide pressurized dry air. This eliminates the need for replacement or manual reactivation of the desiccant and makes the MINILAB dehydrators ideal for unattended operation at even remote sites.

Normally, this is factory adjusted to 2 kPa (0.3.psig), but may be factory readjusted to operate anywhere between 1 kPa and 6 kPa (0.15 psig and 0.87 psig). A factory set safety valve at 7 kPa (1 psig) protects the products of destruction by over pressure.



FEATURES / BENEFITS

- Flow rate up to 150 NI/h
- dew point better than -45°C
- two pumps and two drying chambers running alternatively
- continous duty and automatic operation
- drying chamber automatic regeneration
- microprocessor control low/high pressure, high humidity, power and system failure alarm
- local and remote alarm signalling
- very low power consumption
- low acustic noise
- mounting: wall, floor, 19"" EIA, ETSI N3 rack
- 10/100 BaseT Ethernet interface
- Network protocols: HTTP, TCP/IP, SNMP V1, TFTP, FTP, Telnet, DHCP

Technical features

GENERAL SPECIFICATIONS

Product Type		Automatic Dehydrator	
Model		MINILAB-DC-ETH + LAB-AC/DC	MINILAB-DC-ETH
max. System Volume @Sea Level	l	300	
Output Capacity	l/h	150	
Output Pressure	kPa (PSIG)	2 kPa (0.3 psig) factory preset, no field adjustment	
Output Dew Point	°C	-45	
Number of Outlets		6	
Output Fitting		7 mm	
Network Management		HTTP, TCP/IP, SNMP V1, TFTP, FTP, Telnet, DHCP	

ELECTRICAL SPECIFICATIONS

Operating Voltage	V	100-240 50/60Hz AC	48-60 DC
Pumping Power Consumption	W	55	
Idle Power Consumption	W	2.5	

MECHANICAL SPECIFICATIONS

Dimension H x D x W	cm	8.8 x 19x 53.3	
Weight	Kg	4.2	

ENVIRONMENTAL

Ambient Temperature Range	°C	-10 to +50	
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MINILAB-XX-ETH Series

MINILAB-XX-ETH Automatic Dehydrator with Network interface, 48-60 VDC or 100-240 VAC 50/60Hz

ALARMS

Alarm	Summary alarm provided by internal SPDT (Single Pole Double Throw) relay contacts. (remote alarm) Power and system failure (remote alarm) High pressure alarm (local alarm or by optional snmp protocol) Low pressure alarm (local alarm or by optional snmp protocol) High humidity (local alarm or by optional snmp protocol)
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ACCESSORIES

Model Name	Description
TUBE-01-G18	Gas inlet adaptor G 1/8" for 6mm tube
TUBE-01-050M	Polyethylene Tube, max. 8 Bar, 6 x 8 mm, 50m
TUBE-0816	Tube Clamp, 8-16 mm
TUBE-SEAL	Teflon Tape 10mm, 12m

External Document Links
[Service Manual](#)

Notes