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.



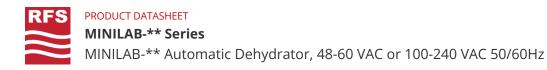
FEATURES / BENEFITS

- 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

Technical features

GENERAL SPECIFICATIONS			
Product Type		Automatic Dehydrator	
Model		MINILAB-AC	MINILAB-DC
max. System Volume @Sea Level	I	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		optional (SNMP V1)	
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	
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)	

MINILAB-** Series REV : P1 REV DATE : 12 Jun 2023 www.rfsworld.com



ACCESSORIES		
Model Name	Description	
TUBE-01-G18	Gas inlet adaptor G 1/8" for 6mm tube	
TUBE-01-010M	Butyl Tube, 0-1 Bar, 6-7mm, 10m	
TUBE-01-050M	Butyl Tube, 0-1 Bar, 6-7mm, 50m	
TUBE-0816	Tube Clamp, 8-16 mm	
TUBE-SEAL	Teflon Tape 10mm, 12m	

External Document Links

Service Manual

Notes

MINILAB-** Series REV : P1 REV DATE : 12 Jun 2023 WWW.rfsworld.com