NETCOM MODEL EDH-4
REV-A AIR DEHYDRATOR

FEATURES & BENEFITS

- Automatic pressurization of system
- Provides cost effective dry air at 0.87 psig (59.9 mbar)
- Prevents vapor, dust, and small particles from entering small systems
- Improves transmission reliability by protecting against reflection
- Dry, clean, positive pressure extends equipment lifetime
- International capability:
    – Selectable English or SI units display
    – Auto-switching 100 – 240 VAC 50/60 Hz power supply

- Simple to install and operate
- Brackets supplied for rack mounting, wall mounting, and feet for shelf or bench top use
- Convenient front panel access for easy replacement of desiccant canister
- Low energy usage
- Quiet

DESCRIPTION

The EDH–4 dehydrator addresses the need for a low volume, non-regenerating air dehydrator for automatically pressurizing small volume waveguides and coax. It is especially suited for C, X, Ku, and Ka band applications.

The output pressure is 0.87 psig (59.9 mbar) with a maximum flow rate of 6.0 scfh (2.8 lpm). It is intended for use in systems smaller than 18 cubic feet (510 liters).

The EDH–4 indicates pressure and status on a bright red LED display. Display parameters are user selectable in English or SI units.

A cut out in the front panel allows for easy inspection of the color indicating desiccant, which begins bright orange when dry and transitions to white over time. Additionally, the dehydrator will alarm after a preset number of compressor hours to indicate that the desiccant should be inspected and possibly changed.

When the time comes to change the desiccant, the front panel is easily opened exposing the desiccant canister and allowing for simple removal for replacement, or optionally, manual regeneration. No special tools are required.

For complete information describing the ETI NETCOM EDH–4 dehydrator's applications, installation, and features, or for information about ETI dehydrators for other applications–please contact Customer Service or check on the web at networketi. com.

SPECIFICATIONS

OPERATION

Dehydrator Type	Non-Programmable, Single Canister, Desiccant Dehydrator
Regeneration Method	Manual Regeneration or Replacement
Regeneration Indication	Desiccant Color Change and Compres- sor Run Time
Outlet Dew Point	-40°C (New or newly regenerated desiccant) to -10°C (Desiccant requiring regenera- tion or replacement)
Output Pressure	0.1 - 0.87 psig (59.9 mbar)
Flow Rate	6.0 scfh (2.8 lpm)
Capacity, Standard	18 scf (510 liters)
Capacity, Max	45 scf (1,274 liters)
Discharge port	Single Port: 1/8" NPT Female (1/4" Hose Barb supplied)
Power Requirement	@120 VAC: 22 watts maximum; 8.3 watts minimum
Supply Voltage	100 – 240 VAC 50/60 Hz, Auto-select
Reliability	MTBF: 100,000 hours

INTERFACE

Air Pressure Indication	Digital Display (English or SI)
Data Display	Pressure, Estimated Desiccant Capacity Remaining, Error Codes
Communications Port	Alarm Relay
Alarm Relay Capacity	2 Amp @ 30 VDC
Relay Connection	6-position terminal block

ENCLOSURE

Dimensions	5.22" × 11.63" × 7.0" (133 mm × 295 mm × 178 mm)
Weight	7.8 pounds (3.54 kg)
Mounting	19" or 13 1/2" Rack (3U space required), wall mount, shelf or table top

ENVIRONMENTAL

Storage Temp	-40°C to 60°C
Operating Temp	0°C to 55°C

ORDERING INFORMATION

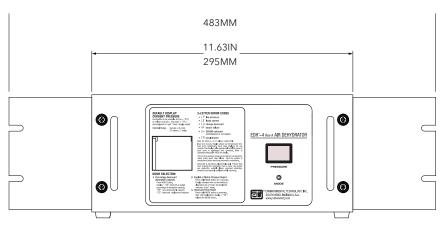| ORDER NUMBER	DESCRIPTION
18021	EDH–4 REV A - Small System Air Dehydrator
25016	Replacement Desiccant Canister for EDH-4 (Revision A)
18138	Replacement Desiccant, 32 ounces (0.95 liters)

LIMITED WARRANTY

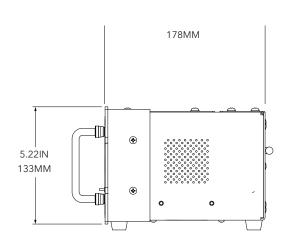ETI's two year limited warranty covering defects in workmanship and materials applies. Contact Customer Service for complete warranty information.

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483MM
11.63IN
295MM

178MM
5.22IN
133MM

EDH–4 Rev A AIR DEHYDRATOR

Esatcom Inc
www.esatcom.com

Tel
718.276.0800

Email
sales@esatcom.com

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