NETCOM MODEL EDH-5

LOW PRESSURE AIR DEHYDRATOR FOR INDOOR & OUTDOOR APPLICATIONS

FEATURES & BENEFITS

- Keeps waveguide and coax dry to improve earth/base station reliability
- Indoor or outdoor operation
- Simple one-button operation; 2 digit, 7 segment
- display
- Quiet operation: up to 36 dB
- International capability:
  -Selectable English or SI calibration
  -100 – 240 VAC, 50/60 Hz operation
- High energy efficiency
- Simple installation & maintenance

DESCRIPTION

The EDH–5 low pressure air dehydrator meets the need for performance from your remote or mobile antenna transmission line, no matter where or how small it is.

Well suited for Ku and Ka band applications, the EDH–5 is engineered as a go-anywhere, low cost, manually regenerated dehydrator for pressurizing small volume waveguide and coax. It has a small footprint, an improved pressure sensor and efficient operations.

The discharge pressure is 0.5 psig (34.5 mbar) with a maximum flow rate of 4.77 scfh (2.25 lpm) with a typical dew point as low as -40°F/C. A microcontroller regulates pressure and manages all dehydrator functions.

The EDH–5 indicates pressure and status on a bright 2-digit red LED display. Solid state control of all functions ensures reliability.

The desiccant container is con- veniently replaceable from the front, without removing the dehydrator from its waveguide. Should repairs ever be required, modular subsystems eliminate the need for special tools and test equipment. The dehydrator limits continuous air pump operation to four hours in the event of a severe leak.

Selectable English or SI calibration ideally suite the EDH–5 and auto-select voltages from 100 to 240 VAC for global applications. The -40°F to 130°F (-40°C to 55°C) operating temperature range promotes location flexibility.

For complete information describing its application, installation and features, 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 Compressor Run Time
Outlet Dew Point	-40°C (New or newly regenerated desiccant) to -10°C (Desiccant requiring regeneration or replacement)
Output Pressure	0.3 - 0.5 psig (34.5 mbar)
Flow Rate	4.77 scfh (2.25 lpm)
Capacity, Standard	18 scf (510 liters)
Capacity, Max	45 scf (1,274 liters)
Discharge port	1/8" NPT Female (1/4" Hose Barb supplied)
Power Requirement	@120 VAC: 20 watts nominal; 110 watts maximum; 8.16
Supply Voltage	watts minimum 100 – 240 VAC Autoselect, 50/60 Hz
Reliability	MTBF: 100,000 hours

INTERFACE

Air Pressure Indication	Digital Display (English or SI)
Data Display	Pressure, Internal Temperature, Flow Rate, Status, Duty Cycle, Error Codes
Communications Port	Alarm Relay
Alarm Relay Capacity	2 Amp @ 30 VDC
Relay Connection	6-position terminal block

MOUNTING

Rack	Requires rack shelf: customer supplied
Wall/Bulkhead	Yes
Table/Shelf	Shock, vibration mounts: customer supplied

DIMENSIONS

Height	9.125" (232 mm)
Width	11.5" (292 mm); 12.75" (324 mm) incl. mounting ears
Depth	6.562" (167 mm)
Weight	8 pounds (3.6 kg)

ORDERING INFORMATION

ORDER NUMBER	DESCRIPTION
24894	EDH–5 Low Cost Air Supply Dehydrator
18138	Replacement Desiccant

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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