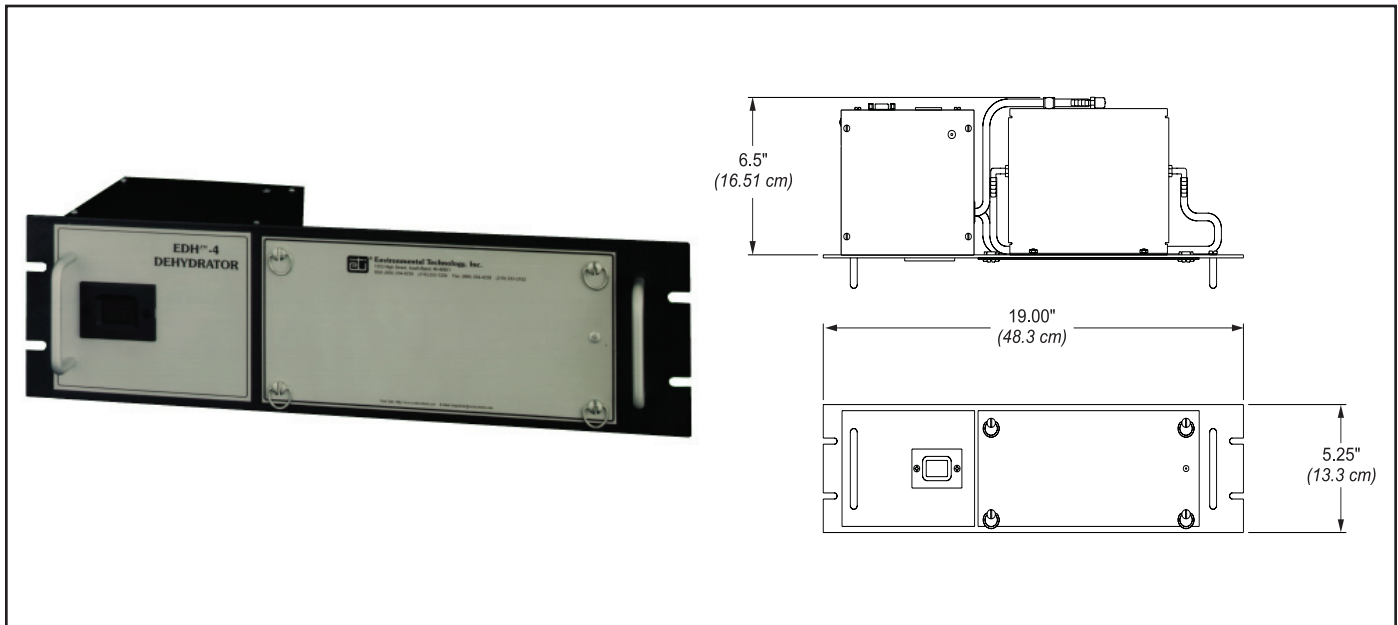


### FEATURES & BENEFITS

- Keeps waveguide and coax dry
- UL 1950 & CE Approved
- 120/230 volt 50/60 Hz operation
- Selectable English or SI calibration
- Low Cost
- Rack, wall or outdoor mounting
- Quiet
- Simple installation
- Convenient drying agent replacement
- Microprocessor control
- Low pressure and replace desiccant alarm relays



### DESCRIPTION

EDH-4 answers the need for a low cost manually regenerated dehydrator for pressurizing small volume waveguide and coax. It is especially well suited for Ku and Ka band applications.

The discharge pressure is 0.5 psig with a maximum flow rate of 6.0 scfh with a typical dew point below -40°F (-40°C). The EDH-4 indicates pressure and status on a bright red LED display. A microcontroller regulates pressure and controls all dehydrator functions. Solid state control of all functions insures reliability.

A convenient container encloses the replaceable desiccant. Modular subsystems eliminate the need for special tools and the test equipment should repairs ever be required. The dehydrator limits continuous air pump operation to four hours in the event of a severe leak.

CE, 120/230 volt 50/60 Hz 24 va (maximum) operation and selectable English or SI calibration ideally suite the EDH-4 for global applications. A variety of mounting configurations combined with a -40°F to 150°F (-40°C to 60°C)

operating temperature range provide location flexibility.

For complete information describing its application, installation and features, please contact Customer Service or check on the web at [www.networketi.com](http://www.networketi.com).

## SPECIFICATIONS

### General

|                                   |  |
|-----------------------------------|--|
| Maximum dew point                 | Below -40°F (-40°C)  |
| Pressure range                    | 0.3 psig to 0.5 psig (20.7 to 34.5 mbar)   |
| Air discharge pressure            | 0.5 psig (34.5 mbar)   |
| Air discharge flow rate (max.)    | 6.0 scfh (2.8 l/h)   |
| Supply voltage                    | 120/230 VAC, 50 or 60 Hz   |
| Power requirements                | 92 V A maximum   |
| Regeneration method               | Manual drying agent replacement  |
| Low pressure alarm relay          | SPDT (low voltage)   |
| Desiccant replacement alarm relay | SPDT (low voltage)   |
| Operating temperature range       | -40°F to 130°F (-40°C to 55°C)   |
| Storage temperature range         | -40°F to 150°F (-40°C to 60°C)   |
| Dimensions (rack mount)           | 19" x 5.25" x 7" (48.3 cm x 13.3 cm x 17.8 cm)   |
| Dimensions (wall mount)           | 22.27" x 5.25" x 8" (55.6 cm x 13.3 cm x 20.3 cm)  |
| Dimensions (NEMA mount)           | 24.2" x 13.5" x 12.2" (61.5 cm x 34.3 cm x 31 cm)  |
| Weight (rack and wall mount)      | Approximately 5 pounds (2.4 kg)  |
| Weight (NEMA mount)               | Approximately 48 pounds (24 kg)  |
| Discharge Port                    | 1/8 inch (3.2mm) NPT female fitting (NEMA), 1/4 inch (6.4mm) hose barb (rack and wall mount) |
| Data displays                     | Pressure, Error Codes  |
| Alarm relay capacity              | 2 Amp @ 30V dc   |
| Mounting method                   | Standard relay rack mount (3U) or wall mount   |
| Number of discharge ports         | 1  |
| Air pressure indication           | Digital display (psig SI)  |
| Relay connection                  | DB-9 female connector  |
| Reliability                       | MTBF - 100,000 hours   |

## ORDERING INFORMATION

| Order Number | Description                      |
|--------------|----------------------------------|
| 18021        | EDH-4 Low Cost Air Dehydrator    |
| 17982        | Wall mount brackets              |
| 18250        | Outdoor unit / NEMA 3R enclosure |
| 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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