



- 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

MODEL EDH-5

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 conveniently 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 suits 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.



DEHYDRATORS

LOW COST MANUAL AIR DEHYDRATOR

| 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: 22 watts maximum; 8.3 watts |
| SUPPLY VOLTAGE: | 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, Estimated Desiccant Capacity Remaining, Error Codes |
| COMMUNICATION PORT: | Alarm Relay |
| ALARM RELAY CAPACITY: | 2 Amp @ 30 VDC |
| RELAY CONNECTION: | 6-position terminal block |
| ENCLOSURE: | |
| DIMENSION: | 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) |