

EdgeTech NEMA 4 Enclosure •
Dew Point/RH/AT •
Industrial Applications •
Wall Mounted •

Description:

EdgeTech's DewPrime Series Models 2001 and 2002 Industrial Hygrometers deliver reliable, drift-free dew point measurements. Mounted within a NEMA 4 enclosure, the DewPrime is water and dust tight, protecting the instrument from wind-blown rain and dust.

Application:

Normally not associated with "rugged" applications, this industrial chilled mirror hygrometer provides the traceable accuracy ($\pm 0.2^{\circ}\text{C}$) essential to today's processes. Examples of existing users include:

General Motors selected the NEMA 4 DewPrime Model 2001 over competitive units for the simplicity of installation in an industrial setting. The chilled mirror hygrometers are installed on a heat treating furnace where the electronics require NEMA 4 protection from dirt, dust, oil and carbon deposits.

Pharmaca* installed a NEMA 4 DewPrime Model 2001 to monitor conditioned air from dryers. Compressed air in the pill manufacturing process is conditioned to tight tolerances. Moisture above a set point would result in powder compounds that congeal. Moisture below the set point would not allow the pill to form and hold its shape. Dust (pill residue) is extensive in the processing area. The NEMA 4 enclosure is dust tight.

Interautomation installed a NEMA 4 Model 2001 to monitor engine performance in a dynamometer test cell. Engine testing leads to specifications that are incorporated in all engine production units. The test cells are tight for space. The wall mounted NEMA 4 DewPrime fits the need.

User Benefits:

- Rugged design for harsh, industrial environments
- High accuracy for tight process control
- Automatic correction for mirror contamination
- Certified measurement, traceable to NIST standards
- Visible LED display; accessible and programmable keypad. Also RS232 programmable.
- Compatible with EdgeTech Explosion Proof Sensor and Sampling Module.

* Company name has been changed in order to protect proprietary processes.

EDGETECH NEMA 4 INDUSTRIAL HYGROMETER

