

# KAHN Hygrometers

## HygroPort Portable Hygrometer

A fast-responding, easy to use, portable hygrometer for measurement of dewpoint and moisture content of compressed air and other gases. Features include:

- Simple operation
- Fast response
- Long battery life
- Bluetooth wireless interface
- Internal and external sensor connections
- General purpose and intrinsically safe models
- Lightweight (less than 3 pounds)
- -148°F to +68°F dewpoint range

### Simple Operation

The menu-driven display, easily accessible gas connections and application software allow the user to quickly and easily set up the HygroPort and make measurements within minutes. All measurement parameters are available at the touch of a button. The numerous features are easy to navigate with our intuitive interface and multiple, large LCD displays.

### Fast Response

The HygroPort features exceptionally fast response from ambient conditions to low dewpoints. Dewpoint readings (T95) from an ambient start point to a -95°F end point can be achieved in less than 10 minutes. A specially heated sensor and a sophisticated response algorithm are the keys to our rapid response. Competitive units utilize a desiccant charge to achieve a one-time rapid response. In contrast, the Kahn unit responds rapidly every time.

### Wireless Connection

The HygroPort utilizes the latest Bluetooth technology to provide wireless communication for instrument set-up and for downloading logged data. Datalogging of up to 320,000 points allows the user to monitor conditions remotely and our wireless connection eliminates set-up time when uploading that data.



### Internal or External Sensor Connections

The HygroPort includes an internal Kahn ceramic dewpoint sensor to make fast, accurate, reliable measurements.

Optional external sensors for the measurement of dewpoint, pressure or temperature are available for connection to the instrument. The readings from these additional sensors can be simultaneously displayed as well as datalogged to a PC. Further, the optional pressure sensor provides pressure compensated readings for PPMv display.

Additionally, the HygroPort can be used to verify and adjust the calibration tables of Kahn Easidew Dewpoint Transmitters, thereby reducing sensor downtime and calibration costs.

### Long Battery Life

Efficient nickel metal hydride batteries and power management circuitry provide 48 hours of usage between charges and allow for more than 100 hours of continuous datalogging. Importantly, a dead battery can be re-charged to 90% of its potential within 20 minutes. A full charge is reached in less than 2 hours. Less waiting time means more measurement time.

