

Loop-Powered Dewpoint Transmitter

Model LPDT



Xentaur

Fully Functional Instrument

ABLE's model LPDT is the world's smallest loop powered (2-wire) dewpoint transmitter.

The LPDT is also a fully functional instrument, featuring the well proven easy to use user interface of all other ABLE dewpoint instruments, by now familiar to many. Set-up functions, result display of dewpoint, temperature and optionally pressure are accommodated by a miniature custom LCD display and three programming buttons.

The LPDT is also the world's only loop-powered dewpoint transmitter featuring both, analog as well as digital outputs.

Analog Output Loop

4 - 20 mA is drawn by the instrument from the power supply, with the current being linear to the selected engineering units. The range of the output is programmable. The output resolution is 0.1°C(dp)

Digital Output Loop

The instrument can supply digital output by modulating the 4 - 20 mA loop line. The timing and format of the data conforms to RS-232, and the output can be interfaced to a PC or other RS-232 devices with an optional adapter.

In the digital mode, the LPDT can be remotely operated and dewpoint as well as temperature (and pressure if installed) can be read.

In the digital mode, multiple units can operate on the same loop cable as a multi-channel instrument.

HTF High Capacitance Aluminum Oxide Sensor

The LPDT uses a HTF high capacitance aluminum oxide sensor and therefore provides a degree of accuracy, speed of response and stability unavailable from instruments using conventional sensors.



