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Optimized for a variety of sensors

# DD50 Multipurpose Digital Display

The DD50 is a universal digital display, suitable for direct connection to Vaisala's intelligent sensors to build a small system, or for use as a multipurpose display.

## Flexibility and versatility

The DD50 is a universal digital display that can be connected directly to Vaisala's intelligent sensors, including the CT12K and CT25K ceilometers, the FD12 visibility sensor and FD12P present weather detector, and the PTB220 barometer. It can also be used as a panel meter or a general-purpose display controlled by a host computer or automatic weather station.

Data values are displayed numerically with three bright 5-digit 7-segment LED fields. A 4-character alphanumeric field in front of each 7-segment LED field indicates the type of the data. The data-type field can also show the unit of the data. The upper part of the display features a 12-character alphanumeric field, used to show general information, warnings, alarms or any other application-specific information. The alphanumeric fields can be controlled from display configuration or directly by the host computer.

## New operation modes

This product replaces several older-generation Vaisala display products (DDP24/DDP25, CTC21, FDC21, PA21, and DR21) and introduces some new operation modes. The software of the DD50 is implemented as several independent operation

modes. All modes are included in the standard software, allowing a single DD50 device to act as a spare part for various systems.

## Clear data presentation

A light sensor responding to ambient light conditions provides automatic brightness control for the display. The front panel filter has a matte finish, giving excellent optical qualities for light transmission. These features ensure good readability under varying lighting conditions.

A rotating switch and a double action push button are used

to select different display pages and to implement display configuration. Configuration of the display and telecommunication modes can also be carried out via a serial bus, using a PC terminal program. The 144 X 144 mm-face size fits standard IN panels. The slim-line body design, however, enables mounting even in 115 X 133-mm panel openings. The stand included in the delivery allows the display to be used on a table or fastened to a wall or ceiling.

To obtain a graphical print-out of the measurement data, a commercial matrix printer can be connected to the display's Centronics interface. ■



*The DD50 multipurpose digital display can be connected directly to Vaisala's intelligent sensors.*