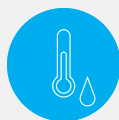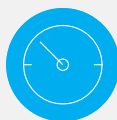# MD14

Universal Meteorological Display

MD14 is a universal display for professional meteorology use designed for airports and industry. The MD14 can be used also at meteorological stations as a lightweight replacement of the observer's screen or redundant backup to it.

Wind / Temperature	Dew point	Pressure	Runway visual range	Cloud base measurement

The universal LCD display MD14 presents real time meteorological data as well as data calculated according to WMO and ICAO standards and recommendations. MD14 supports configuration of up to 5 information tabs – typically used for 4 runways and a meteorological garden. MD14 comes preconfigured to one of the standard configurations. Additional configurations can be ordered and the actual configuration is then user selectable.

The list of the available configurations includes:
- METCFG - meteorological configuration for comprehensive display of meteorological quantities;
- PCFG - pressure configuration for display of different pressure values (QNH,QFE) and related variables (DP, T);
- RVRCFG - runway visual range configuration for display of up to four runway visual range values per runway;
- WDCFG - wind display configuration for display of wind data related to runway position;
- CBCFG - cloud base configuration for display of cloud base measurements.

The touch screen of the device enables to select the diplayed information and allows for its customization. At least the following features can be customized using devices touchscreen:

- averaging time (2 min, 10 min, instantanueous values);
- display mode (ICAO / WMO);
- runway names;
- displayed variables;
- displayed variable units;
- configuration used;
- backlight intensity.

Technical data

Electrical parameters

Power supply	10 V to 30 V DC, 5 W
Interfaces	RS-232, RS-485, Ethernet (TCP/IP)

Mechanical parameters

Dimensions	144 x 144 x 60 mm
Weight	950 g

Environmental parameters

Operating temperature range	−10 °C to +60 °C
Storage temperature range	−20 °C to +70 °C
Operating humidity range	2 to 98 % non-condensing

LCD display

Display element	5.7" TFT LCD
Resolution	640 x 480
Luminance	400 cd/m^2
Backlight	software brightness control
Input	resistive touchscreen
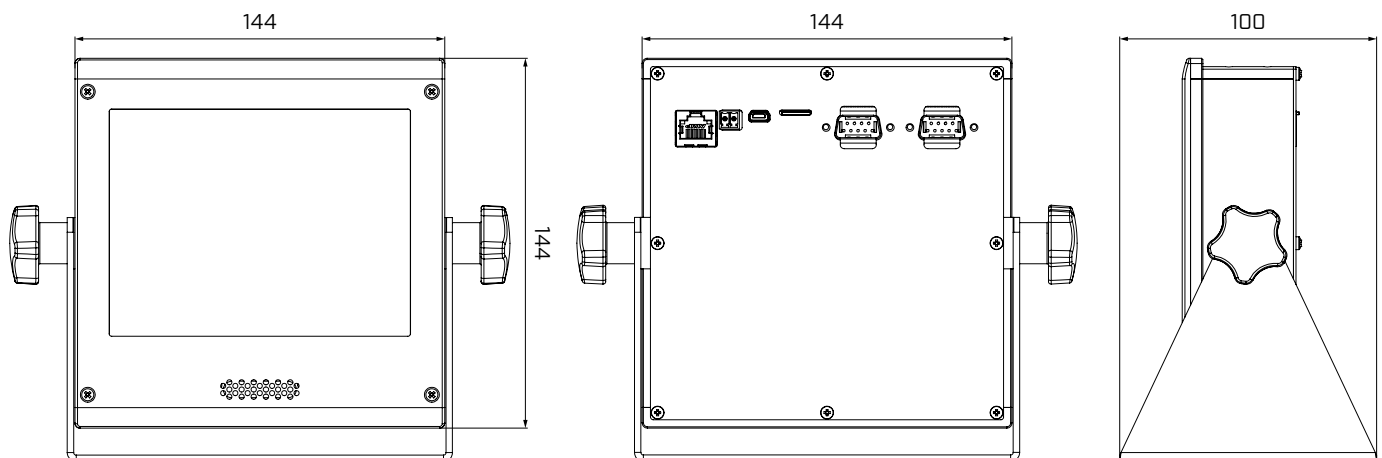
Dimensions of the display (mm): The display can be used as a desktop, wall mounted or panel mounted device - the mounting method can be selected at the time of installation.