

MCD-20 Cloud Base Display

MCD-20 Cloud Base Display is equipment used to display one or two pairs of cloud base heights. MCD-20 contains advanced micro-controller system for computing ICAO-compliant cloud base values from incoming data.

The measured values are usually obtained from one or two laser ceilometer(s), connected into display unit. For airport usage, display allows to show runway designator in the upper right corner. Runway switch allows to select incoming data (corresponding to one of predefined runways) from common serial line.

MCD-20 is designed for professional meteorological use at the airports, meteorological stations, etc. following the standards of international authorities (ICAO and WMO). It can be used as desktop device or can be mounted on a wall/panel mounted.

Features

Numeric cloud-base displays

- Lowest Cloud Base height from the first ceilometer
- 2nd Cloud Base height from the first ceilometer
- Lowest Cloud Base height from the second ceilometer (if present)
- 2nd Cloud Base height from the second ceilometer (if present)

Cloud-base height display range	0 to 25 000 ft (0 to 7500 m)
Cloud-base height units	feets or meters (selectable by unit- switch)
Runway indicator display	2 digits runway number + available runway sign (L, C, R)
Runway switch	up to 4 predefined runway selectable by switch

LED indicators for actual unit

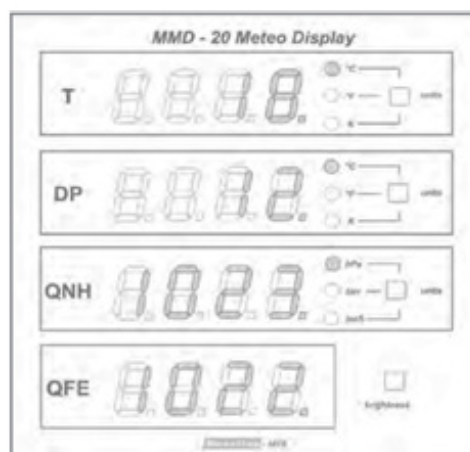
- Adjustable LED brightness
- Display readability: from 5m distance

Electrical parameters

Interfaces	RS 485, RS 232 serial
Power supply	13.8 V DC, 15 W max

Mechanical parameters

Dimensions	194 x 188 x 66 mm
Weight	1896 g



Environmental parameters

Operating temperature range	0 °C to +70 °C
Storage temperature range	-40 °C to +85 °C
Operating humidity range	0 to 90 %