

Mobile Data Terminal MDT

On-board computer terminal with display and membrane keyboard



The Mobile Data Terminal MDT forms the link between drivers and our operations control system. Drivers operate the unit solely through the keyboard, being supported by an intuitive, fully graphical user interface. The tactile feedback of the keyboard facilitates fast, reliable, and error-free entries.

The keyboard has an alphanumeric block for the entry of numerals as well as direct keys and function keys. The MDT layout can be customized. In addition, the five direct keys on the left of the display and the three direct keys below the numeric keypad can be provided with customized label strips. This allows the transport authority to trigger important specific functions at the push of a button, for example blocking of the ticket canceling machines, taxi calls, manual lane selection, etc.

The user interface is designed so that drivers can carry out their tasks with as few operations as possible.

During the trip, drivers can spot all the relevant information at a single glance, for example route information with the current stop, last stop, and next two stops; destination; operational logon; and current schedule status. The status field shows the date and time along with a number of symbols indicating the status of radio communications and data supply plus location details and other information relevant to operations. This provides drivers with a permanent overview of incoming messages and allows them to give their full attention to safe driving.

With the Mobile Data Terminal, drivers have their own compact and lightweight command and information console. It is easy to integrate in the driver's cab while leaving a clear view of the boarding area.

Mobile Data Terminal MDT

TECHNICAL DATA

Resolution/display area

- ¼ VGA
- 320 × 240 pixels (color or monochrome), anti-reflective
- 115 × 86 mm

Keyboard

- Backlit membrane keyboard
- Soft keys and numeric keypad
- Tactile feedback

Interfaces

- LVDS and RS422, one cable to the IBISplus on-board computer

Storage/operating temperature

- -30 °C to +80 °C/-20 °C to +70 °C

Dimensions (W×H×D)

- 242 × 126 × 52 mm

Weight

- MDT, model with color display: 0.74 kg
- MDT, model with monochrome display: 0.65 kg
- Built-in mount: 0.4 kg
- Built-on mount: 0.5 kg

Protection rating

- DIN40050: front IP54, rear IP52

EMC conformity

- CE guidelines 2004/108/EC
- e1 guidelines 2006/28/EC

Functions

- Acoustic signaling (beeper)
- Intuitive, fully graphical user interface
- Eight direct keys allowing customer-specific allocation, for the main functions
- Nine soft keys with context-dependent menus
- Automatic brightness and contrast control with correction possibilities
- Maintenance functions
- Display of error and status messages
- Operation of control center communications: vehicle logon & logoff; request for talk calls/emergency calls; predefined messages; instructions; dispatch actions; changes