APEX®
DT 03 - The onboard computer
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- IBIS/RS 485 – The central control computer
- The control panel with the graphical display LCD
- The function of the DT 03 according to the norm VDV 300
- The folio keyboard matches the ENV 13093
- The control computer for the vehicle information system
- It is comparing the planned time table with the actual traffic situation, it determines the forerunning / delay
- It enables the autonomous control system or the control from the central dispatching
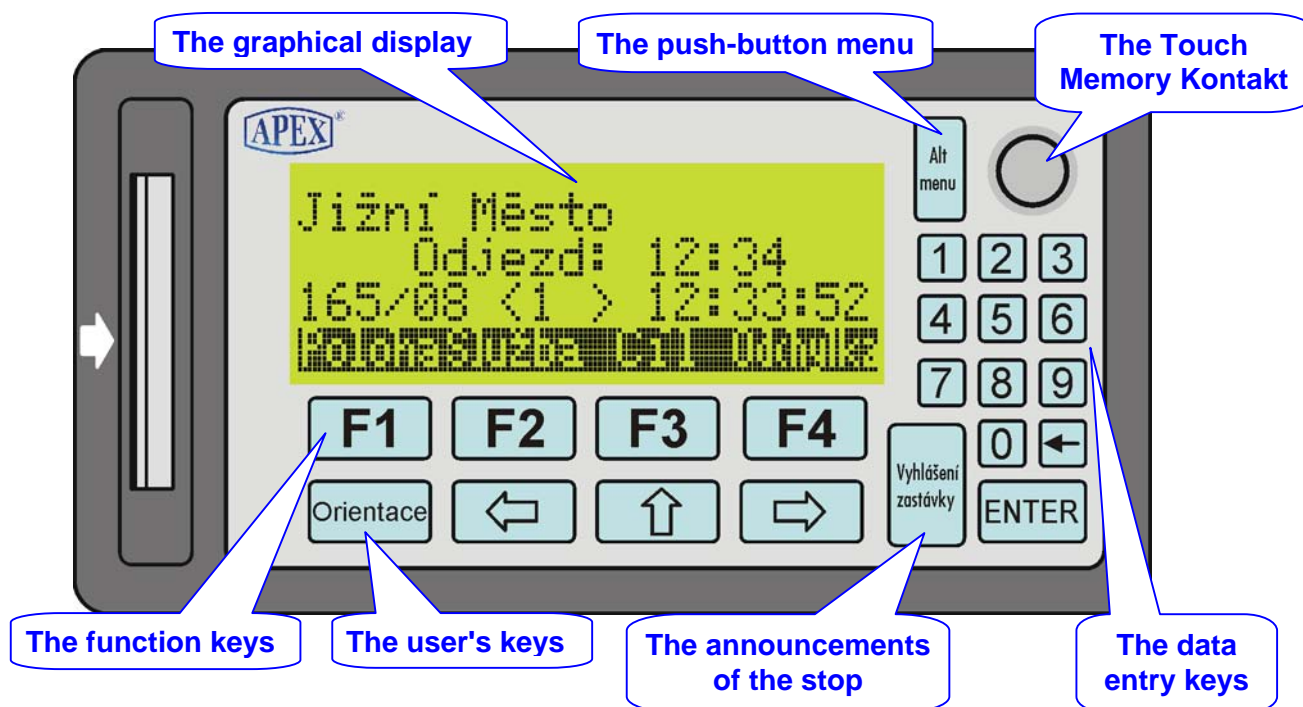
DT 03

BVQi
ČSN EN ISO 9001:2001

The onboard computer DT 03 is developed for the drivers of the new vehicles. All control functions of the computer control system of the public passenger transportation are contained in one integrated instrument. The intelligent technical and program facilities of the DT 03 are the guarantee of the efficient control vehicle instrument. The onboard computer DT 03 offers the high comfort and simple operation.

The functions

The board computer fulfils the following basic functions:
- The interface between the user (driver) and the control of the transport system
- The interface between the user (driver) and the radio network (data and voice transmission) over the radio communication adaptor (analogue, digital radio network, GSM, GPRS)
- The code interface for the system activation on the vehicle - the immobilizer
- The interface for the data insertion to the system by means of the touch memory only for the authorized user (Touch Memory Contact)
- The control and verification of the connected peripheral instruments (ticket marker, digital annunciator, inside and outside information panels, indicator of the uniform time and of the tariff section, the command receiver for the acoustic information of the blind and weak-eyed persons)

The graphical display · The push-button menu · The Touch Memory Kontakt

The function keys · The user's keys · The announcements of the stop · The data entry keys

Specifications

CPU frequency	400 MHz
Flash capacity	32 - 64 MB
RAM capacity	32 MB
Operating system	Linux
Database	SQLite 3
Data security	The lithium battery for RAM and RTC
RTC, real-time	24 clock around, programmable
Interface	RS232 ,RS422(485), IBIS, Ethernet 10Base-T/100Base-TX for WLAN The programming interface 8x1 bit entry ODOMETER 1 bit output 0,5 A MMC card
Operating voltage	16 – 32 V_{DC}
Current drawn	350 mA
Battery lifetime	1 year
Retention period of the saved data	10 years
Temperature range	-20 ^{o}C +60 ^{o}C
Dimensions	224 x 112 x 68 mm (W x H x D)
Weight	1,35 kg