



Product Description

The FDT-A/-B is a panel mount display terminal to be used in combination with the FAD-1 and FAD-4 A/D Converters.

The instrument is approved by Weights & Measures Authorities for use in Accuracy Class III applications according to OIML R76.

The display terminal with 6 digits LED red, 14 mm including tactile 6 key keypad is available for remote operation (all weighing functions). All communication via a bi-directional serial interface.

The unit may be used in Master Mode where it may poll up to 63 FAD A/D Converters in a network or in Slave Mode where it will only display information from a selected FAD.

Two models are available:

- FDT-A with basic functions,
- FDT-B with additional features: additional serial interface RS232C, real time clock, Alibi memory for 10 000 records.

Key Features

- EU Type approved for 10 000 intervals
- For remote operation of FAD-1 / FAD-4 A/D Converters
- Serial interface RS485A
- Connection of up to 63 FAD's

Additional Features FDT-B

- Second communication port RS232C
- Alibi memory for 10 000 records
- Real time clock

Option

- Front cover IP65

Available Accessories

- Mains adapter 230 V AC / 9 V DC, 500 mA
- RS485A to RS232C converter
- Display terminal bracket
- Remote display type FRD-57

Specifications

DISPLAY AND KEYBOARD

Display	6 digits, 7 segments, LED red, 14 mm high
Status annunciators	Motion, tare, net, minus sign, zero
Keyboard	6-key membrane, with tactile feedback
Decimal point	Between any digit of the display
Weight display digits	5

SCALE CALIBRATION AND FUNCTIONS

Calibration	Via serial command: Digital corner calibration/Dead load/Span/Scale parameters Calibration may be performed by application of weights or by the mV/V values of each load cell
Weighing functions	Auto zero maintenance, motion detection, auto-zero at power-up, zero, tare, gross, test
Memories	Serial EEPROM calibration memory

COMMUNICATION

Serial interface	RS485A half duplex, multidrop with networking address, 2400 to 115000 baud Baudrate, data bits, parity and data output are programmable
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ADDITIONAL FEATURES FDT-B

Serial interface	RS232C full duplex, 1200 baud; for printer or host computer
Alibi memory and RTC	Alibi memory for 10 000 records and real time clock

POWER

Power supply	7.5 - 10 V AC or 8 - 12 V DC
Consumption	1.8 W maximum

ENVIRONMENT AND ENCLOSURE

EMC	According to OIML R76 and EN 45501 requirements
Operating temperature	-10 °C to +40 °C legal for trade / -20 °C to +50 °C non approved
Storage temperature	-10 °C to +70 °C
Humidity	90% RH max, non condensing
Enclosure	Panel mount, protection IP54

OPTIONS

Mains adapter	230 V AC / 9 V DC, 500 mA
Converter	RS485A to RS232C converter including power adapter 230 V AC / 9 V DC, 500 mA
Display terminal bracket	FDT can be inserted for table top
Front cover	Transparent front cover with protection IP65

Dimensions (in mm)

