

Digital Junction Box Remote Terminal



FEATURES

- Weighing terminal for VTDJB digital junction box
- OIML R-76 and NTEP approved for 10,000d
- Control up to 30 VTDJB modules
- RS-485 serial interface with networking capabilities
- Serial printer via RS-232 interface
- Alibi memory and real-time clock with battery backup
- Panel mount, IP40 front panel
- Easy setup and calibration of each VTDJB using Windows-based utility or front panel

DESCRIPTION

The VT150 is a remote terminal for up to 30 VTDJB digital junction boxes. It features 6 digit LED display with 5 status annunciators for weight data display and operator prompts. Six keys provide operator control of weighing functions; zero, tare, gross/net, print, total, and special functions.

The unit controls VTDJBs via the RS-485 bus. It allows the operator to monitor, setup, and calibrate each unit. The unit may sum the weight results of two VTDJB, implementing larger platforms with up to 8 load cells.

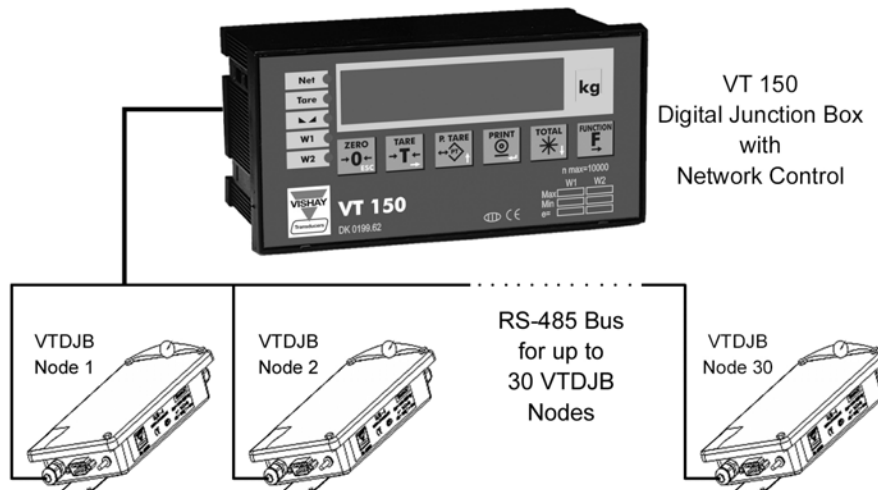
Serial PC interface (RS-232 or RS-485 channels) allows remote control of all the VT150 and VTDJB functions using a Windows-based utility.

The VT150 alibi memory (10,000 transactions) and real-time clock with battery backup enables printing functions through the RS-232 interface.

APPLICATIONS

- Platform scales
- Silo weighing
- Weighbridges
- Scale network controller
- PC-based weighing system

CONFIGURATION



ORDERING INFORMATION

Item Number	Description
VT150-2100088	LED display, panel mount enclosure, RS-485 serial port
VT150-2100089	LED display, panel mount enclosure, RS-485 & RS-232 serial ports, real time clock, Alibi memory



SPECIFICATIONS

DISPLAY & KEYBOARD

Display LED, 6 digits, height - 14mm
 Annunciators 5
 Keypad 6 membrane keys with tactile feedback.
 Functions: ZERO, TARE, PRINT, Gross/Net, Total

SPECIAL FUNCTIONS

Alibi memory Flash memory, storing last 10,000 transactions.
 Real-time clock with battery backup

ENVIRONMENTAL

Operating Temperature: -10°C to +40°C (14° to 104° F)
 Storage temperature: -20°C to +55°C (4° to 158° F)

ELECTRICAL

Voltage: 7-10 VAC or 8-12VDC by external power supply
 Current: 300mA
 EMC: In accordance with the EN45501 regulations

SERIAL COMMUNICATION

Serial Output #1: RS-485
 Baud Rate: 2400 -115200 baud, half duplex
 Applications: Master-slave protocols, PC connection
 Serial Output #2: RS-232
 Baud Rate: 1200 baud, half duplex
 Applications: Printer or PC connection

ENCLOSURE

Plastics, panel mount enclosure.
 Dimensions: 144 x 72 x 70 mm (LxHxD)
 (5.7 x 2.8 x 2.75 in.) (LxHxD)
 Protection: IP40 panel only
 Wiring Connections: D-type connectors

APPROVALS

10,000d, OIML R-76 and NIST HDBK 44
 EU-type approval no. DK0199.62
 NTEPCC # _____
 Accuracy class: III

Vishay Transducers is continually seeking to improve product quality and performance. Specifications may change accordingly.

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