

Weight Indicator



FEATURES

- Economical general-purpose weighing indicator
- Large 6 digit LED display
- Two serial ports for simultaneous printer and PC connection
- Heavy duty ABS enclosure
- Sample rate up to 30 conversions per second
- OIML R-76 and NTEP approved to 10000d
- 3 level digital filtering
- Programmable ticket format up to 185 characters
- Consecutive transaction numbering

NOT AVAILABLE IN THE FOLLOWING REGIONS:

North America, Central America, South America

DESCRIPTION

The VT 100 is an economical general purpose weighing indicator for platform scales and other industrial applications.

Two serial ports, RS-232 and current loop, provide simultaneously PC and printer interface capability. Ticket formats may be edited and downloaded with programmable ticket numbering, date, and time.

Load cells are connected using a quick disconnect plug, allowing simple installation and maintenance.

The heavy duty ABS enclosure easily adjusts for desktop, wall (tilt), or post mounting.

APPLICATIONS

- Shipping and receiving scales
- Floor scales
- Bench scales

CONFIGURATION



OPTIONS

- UL power adaptor
- TUV power adaptor
- UK power adaptor
- High tilt stand
- Low tilt stand



SPECIFICATIONS

PERFORMANCE

Resolution: 10000 or 100000 dd (selectable)
 Conversion Speed: 3, 7, 15, or 30 samples (selectable)
 Sensitivity: 1.0 μ V/Vsi for approved scales, 0.5 μ V/Vsi for non-approved scales.
 Full Scale Range: 3mV/V
 Linearity: 0.01% of full scale
 Long Term Stability: 0.005% of full scale per year
 Excitation: +5VDC with sense (6 wires)
 Number of Cells: Up to 8, 350 ohm load cells
 Filter: digital filter - 3 stages
 Offset Drift: 3.5ppm/ $^{\circ}$ C
 Span Drift : 3.5ppm/ $^{\circ}$ C
 A/D Converter Type: Sigma-Delta, ratiometric
 Count By: x1, x2, x5, x10, x50
 Decimal Point: between any digits of the weight display
 Calibration Methods: dead load and span, store in EEPROM
 Weighing Functions: automatic zero tracking, motion detection, auto-zero on power-up, zero, tare, gross/net, print, units conversion

ENVIRONMENTAL

Operating Temp: -10 $^{\circ}$ C to +40 $^{\circ}$ C [14 $^{\circ}$ F to 104 $^{\circ}$ F]
 Storage Temp: -10 $^{\circ}$ C to +70 $^{\circ}$ C [-4 $^{\circ}$ F to 158 $^{\circ}$ F]
 Relative Humidity: 40-90% RH, non-condensing

DISPLAY AND KEYBOARD

Display: 6 digit, 7-segment, LED, 20.3mm
 Status Enunciators: no motion, zero, net, units (kg, g)
 Weight Digits: 4, 5 or 6 (setup selectable)
 Keyboard: 5 key membrane keyboard, with tactile feedback

ELECTRICAL

Voltage: 9VDC or 115 or 230VAC using power adapter
 Power: 8W

SERIAL COMMUNICATION

Serial Output #1: RS-232
 Baud Rate: 1200 - 38400 baud, full duplex
 Applications: continuous or printer output, PC interface
 Serial Output #2: 20mA current loop - output only
 Baud Rate: 1200 - 9600 baud
 Applications: printer port

ENCLOSURE

Heavy Gage ABS:
 Dimensions: 186.3x103x95mm LxHxD [7.32x4.05x3.74in. LxHxD]
 Mounting: desktop, wall and tilt mount

APPROVALS (ACCURACY CLASS III)

OIML R-76: 10000d EU-type approval no. T6877
 NTEP: 10000d single interval

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

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