

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 10,000d
- 3 level digital filtering
- Programmable ticket format up to 300 characters
- Consecutive transaction numbering

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



ORDERING INFORMATION

Item Number	Description
VT100-9030000361	UL adaptor, low tilt stand
VT100-9030000362	UK adaptor, low tilt stand
VT100-9030000363	TUV adaptor, low tilt stand
VT100-9030000364	UL adaptor, high tilt stand
VT100-9030000365	UK adaptor, high tilt stand
VT100-9030000366	TUV adaptor, high tilt stand



SPECIFICATIONS

PERFORMANCE

Resolution:	10,000 or 100,000 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:	3 mV/V
Linearity:	0.01% of full scale
Long term Stability:	0.005 % of full scale per year
Excitation:	+5 VDC with sense (6 wires)
Number of Cells:	Up to 4, 350 ohm load cells
Filter:	digital filter - 3 stages
Offset Drift:	3.5 ppm / $^{\circ}$ C
Span Drift :	3.5 ppm / $^{\circ}$ 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 $^{\circ}$ to 104 $^{\circ}$ F)
Storage Temp:	-10 $^{\circ}$ C to +70 $^{\circ}$ C (-4 $^{\circ}$ to 158 $^{\circ}$ F)
Relative Humidity:	40-90% RH, non condensing

DISPLAY AND KEYBOARD

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

ELECTRICAL

Voltage:	12 VDC or 115 or 230 VAC using power adapter
Power:	8W

SERIAL COMMUNICATION

Serial Output #1:	RS-232
Baud Rate:	300 - 9600 baud, full duplex
Applications:	continuous or printer output, PC interface
Serial Output #2:	RS-232 or 20 mA current loop - output only
Baud Rate:	300 - 9600 baud
Applications:	printer port

ENCLOSURE

Heavy Gage ABS:	
Dimensions:	186.3x103x95 mm LxHxD (7.32x4.05x3.74 in. LxHxD)
Mounting:	desktop, wall and tilt mount

APPROVALS (ACCURACY CLASS III)

OIML R-76	10,000d (pending)
NTEP	10,000d single interval

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

NORDIC TRANSDUCER

AIs Odde DK9560 Hadsund Denmark

Tel: +45 98 58 14 44
Fax: +45 98 58 18 66

web: www.ntt.dk e-mail: ntt@ntt.dk