

REVERE TRANSDUCERS, VT100, HEAVY DUTY ABS ENCLOSURE



## 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

## 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



## SPECIFICATIONS

### PERFORMANCE

Resolution:	10000 or 100000 dd (selectable)
Conversion Speed:	3, 7, 15, or 30 samples (selectable)
Sensitivity:	1.0 $\mu$ V/Vsi for approved scales, 0.5 $\mu$ 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.