

## 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
- **Optional**
  - UL power adaptor
  - TUV power adapter
  - UK power adapter
  - High tilt stand
  - Low tilt stand

### APPLICATIONS

- Shipping and receiving scales
- Floor scales
- Bench scales

### 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. Programmable details include 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.

### CONFIGURATION



## Weight Indicator

**SPECIFICATIONS****PERFORMANCE****Resolution**

10000 or 100000 dd (selectable)

**Conversion Speed**

3, 7, 15, or 30 samples (selectable)

**Sensitivity**1.0  $\mu\text{V}/\text{Vsi}$  for approved scales,  
0.5  $\mu\text{V}/\text{Vsi}$  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 8, 350 $\Omega$  load cells**Filter**

Digital filter - 3 stages

**Offset Drift**3.5 ppm/ $^{\circ}\text{C}$ **Span Drift**3.5 ppm/ $^{\circ}\text{C}$ **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 Temperature**-10 $^{\circ}\text{C}$  to +40 $^{\circ}\text{C}$  [14 $^{\circ}\text{F}$  to 104 $^{\circ}\text{F}$ ]**Storage Temperature**-10 $^{\circ}\text{C}$  to +70 $^{\circ}\text{C}$  [-4 $^{\circ}\text{F}$  to 158 $^{\circ}\text{F}$ ]**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, g)

**Weight Digits**

4, 5 or 6 (setup selectable)

**Keyboard**

5 key membrane keyboard, with tactile feedback

**ELECTRICAL****Voltage**

9 VDC or 115 or 230 VAC 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**

20 mA current loop–output only

**Baud Rate**

1200–9600 baud

**Applications**

Printer port

**ENCLOSURE—HEAVY GAGE ABS****Dimensions**186.3 x 103 x 95 mm L x H x D  
[7.32 x 4.05 x 3.74 in. L x H x D]**Mounting**

Desktop, wall and tilt mount

**APPROVALS (ACCURACY CLASS III)****OIML R-76**

10000d EU-type approval no. T6877

**NTEP**

10000d single interval

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