

## 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 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.

### 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

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

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