

# 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
  - o 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



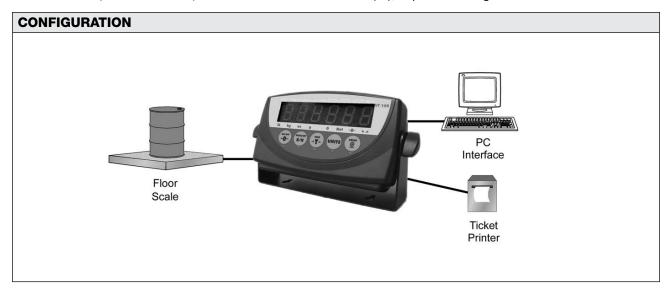
## **DESCRIPTION**

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.



## Model VT 100

Revere



## Weight Indicator

### **SPECIFICATIONS**

## **PERFORMANCE**

#### Resolution

10000 or 100000 dd (selectable)

#### **Conversion Speed**

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

#### Sensitivity

1.0 μV/Vsi for approved scales, 0.5 μV/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/°C

## **Span Drift**

3.5 ppm/°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, autozero on power-up, zero, tare, gross/net, print, units conversion

### **ENVIRONMENTAL**

## **Operating Temperature**

-10°C to +40°C [14°F to 104°F]

#### Storage Temperature

-10°C to +70°C [-4°F to 158°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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