Model VT 100

Revere

VPG force sensors

Celtron • Revere • Sensortronics • Tedea-Huntleigh

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



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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, 350Ω 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, auto-zero 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

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