

Celtron • Revere • Sensortronics • Tedea-Huntleiah

Model VT 200/220

Revere

Weight Indicator

FEATURES

- Large 6 digit LED (VT 200) or LCD (VT 220) display
- · Built-in weighing and counting modes
- Two opto-isolated setpoints
- Alibi (Flash) memory retains the last 10,000 transactions
- Two serial ports for printing and networking (one standard)
- Stainless steel enclosure (IP65), aluminum enclosure (IP40)
- Programmable ticket format
- High sample rate—up to 228 conversions per second
- OIML R-76 approved to 10000d
- Battery operation (optional with aluminum enclosure)
- Optional
 - Aluminum enclosure
 - Stainless steel enclosure
 - Dual scale operation
 - UL/TUV/UK power adapter
 - LED/LCD display
 - Analog input
 - Analog output
 - Second RS-232 port
 - RS-485 port
 - Real-time clock
 - Battery (for aluminum versions only)
 - USB slave port (for aluminum versions only)





APPLICATIONS

- · Bench and floor scales
- · Counting scales
- Inventory control
- · Various industrial weighing systems

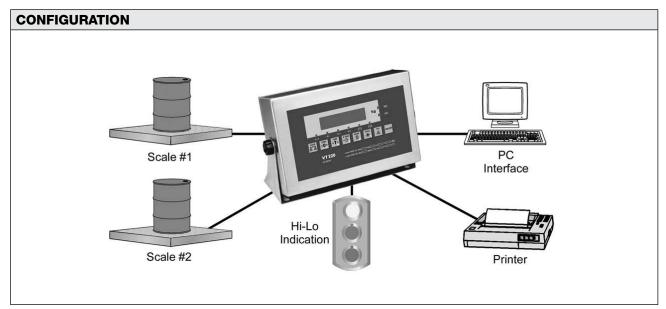
DESCRIPTION

The Model VT 200 / VT 220 units are versatile, general purpose weight indicators, with a wide range of industrial and commercial applications.

The eight key panel enables easy operation, calibration, and setup of the instrument. An integral printer interface allows easy, programmable, ticket formatting. Automatic date and time storage with a real-time clock option clearly documents all printout records.

The VT 220 with the LCD display includes an internal rechargeable battery option for stand-alone autonomous operation.

Enclosure selections include tilted, wall mount, and desktop arrangements.



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VPGTransducers

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SPECIFICATIONS

PERFORMANCE

Resolution Selectable up to 990000 dd

Conversion Speed 3–228 samples per second (selectable)

Sensitivity 0.25 μV/Vsi for approved scales, 0.1 μV/Vsi for non-approved scales

Full Scale Range -0.25 to 1.75 mV/V [-1.25 mV to 8.75 mV] or -0.25 to 3.75 mV/V [-1.25 mV to 18.75 mV]

Linearity 0.002% of full scale

Long-Term Stability 0.005% of full scale per year

Excitation +5V alternating polarity or +5 VDC (selectable), with sense (6 wires)

Number of Cells Up to 10; 350Ω load cells

Filter FIR automatically adjusted to conversion speed, rolling average

Offset Drift ≤2 ppm/°C

Span Drift ≤2 ppm/°C

A/D Converter Type Sigma-Delta, ratiometric

Count By x1, x2, x5, x10, x50, x100, x200

Decimal Point Between any digits of the weight display

Calibration Methods

Dead load and span, or data sheets calibration, via the mV/V output values of the load cell. Calibration of two analog inputs (optional) with individual coefficients.

Weighing Functions

Automatic zero tracking, motion detection, autozero on power-up, zero tare, preset tare, net mode, multiple test functions

Memory Allocation

Calibration data EEPROM, Flash tally-roll (Alibi) memory capable of 10,000 weight registrations

Piece Counting Mode Real-Time Clock (Optional)

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 or LCD **Digit Height**

20 mm (VT 200), 16 mm (VT 220)

Status Enunciators No motion, zero, tare in use, net, scale in operation (#1 or #2 or sum #1+2, if second scale connected), piece counting mode

Weight Digits 4, 5 or 6 (setup selectable)

Keyboard 8 key membrane keyboard, with tactile feedback

ELECTRICAL

Voltage 85–265 VAC

Current 500 mA

Battery Operation (Optional) Internal rechargeable battery (VT 220) Aluminum version only

ISOLATED ANALOG OUTPUT (OPTIONAL)

Resolution 16 bit DAC

Voltage Output 0.02–10V

Current 0–20 mA or 4–20 mA

Linearity

0.002% of full scale Offset Drift

≤2 ppm/°C

INPUT AND OUTPUTS

(x1) Logic Input

9-24 VDC, negative common, opto-isolated to 2.5 kV (x2) Logic Output

24 VDC $\pm 10\%$, positive common, max current 100 mA, opto-isolated to 2.5 kV

SERIAL COMMUNICATION

Serial Output #1 RS-232C Full duplex, programmable

Baud Rate 1200-9600 baud , full duplex

Applications

Continuous, print (on demand), alibi print



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Serial Output #2 (Optional)

RS-232, RS-485 or slave USB (Aluminum only) setup programmable

Modbus ASCII

Baud Rate 2400-115200 baud, half duplex

Applications EDP output, master-slave protocols, continuous output, remote printer

ENCLOSURES

Stainless Steel Enclosure

Dimensions 252 x 152 x 62 mm L x H x D [10 x 6 x 2.5 in. L x H x D]

Mounting Wall and tilt mount

Protection IP65

Wiring Connections Cable glands

Aluminium Enclosure

Dimensions 194 x 100 x 107 mm L x H x D [7.64 x 3.94 x 4.21 in. L x H x D]

Mounting Desktop Protection IP40 Wiring Connections

D-sub connectors

APPROVALS (ACCURACY CLASS III / IIIL)

OIML R-76 10000d single or dual interval EU-type approval no. 0200-NAWI-03996

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



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