

Weight Indicator



DESCRIPTION

VT200/VT220 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 the real-time clock option clearly documents all printout records

The VT220 with the LCD display includes internal rechargeable battery option for stand-alone autonomous operation.

Enclosure selections include tilted, wallmount, and desktop arrangements.

FEATURES

- Large 6 digit LED (VT200) or LCD (VT220) display
- Built-in weighing and counting modes
- Two opto-isolated setpoints
- Alibi (Flash) memory retains last 10,000 transactions
- Dual scale operation (optional)
- Two serial ports for printing and networking (one standard)
- Analog output (option)
- Stainless steel enclosure (IP65), aluminum enclosure (option)
- Programmable ticket format
- High sample rate - up to 70 conversions per second
- OIML R-76 and NTEP approved to 10000d
- Battery operation (optional with aluminum enclosure)
- Real time clock (option)

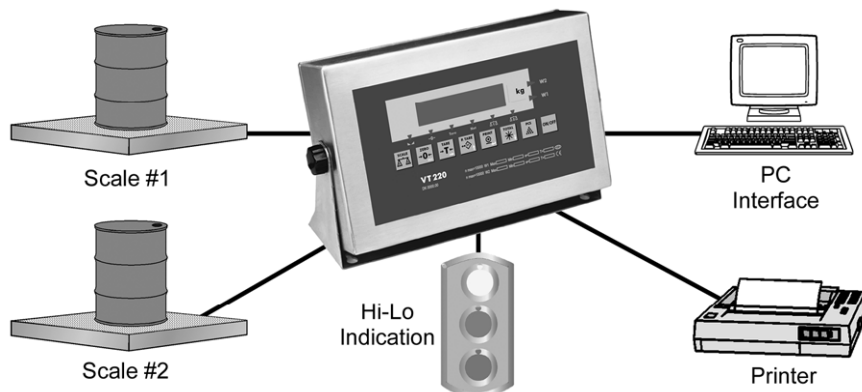
APPLICATIONS

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

OPTIONS

- Aluminum enclosure
- Stainless steel enclosure
- 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 only)

CONFIGURATION



SPECIFICATIONS	
<p>PERFORMANCE</p> <p>Resolution: selectable up to 990000 dd</p> <p>Conversion Speed: 3 - 70 samples per second (selectable)</p> <p>Sensitivity: 0.4μV/Vsi for approved scales, 0.1μV/Vsi for non-approved scales.</p> <p>Full Scale Range: -0.25 to 1.75mV/V [-1.25mV to 8.75mV] or -0.25 to 3.75mV/V [-1.25mV to 18.75mV]</p> <p>Linearity: 0.002% of full scale</p> <p>Long Term Stability: 0.005% of full scale per year</p> <p>Excitation: +5V alternating polarity or +5VDC (selectable), with sense (6 wires)</p> <p>Number of Cells: Up to 10, 350 ohm load cells</p> <p>Filter: FIR automatically adjusted to conversion speed, Rolling average.</p> <p>Offset Drift: \leq2ppm/$^{\circ}$C</p> <p>Span Drift : \leq2ppm/$^{\circ}$C</p> <p>A/D Converter Type: Sigma-Delta, ratiometric</p> <p>Count By: x1, x2, x5, x10, x50</p> <p>Decimal Point: between any digits of the weight display</p> <p>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.</p> <p>Weighing Functions: automatic zero tracking, motion detection, auto-zero on power-up, zero tare, preset tare, net mode, multiple test functions</p> <p>Memory Allocation: calibration data EEPROM, Flash tally-roll (Alibi) memory capable of 10,000 weight registrations</p> <p>Piece Counting Mode</p> <p>Real-Time Clock (optional)</p> <p>ENVIRONMENTAL</p> <p>Operating Temp: -10$^{\circ}$C to +40$^{\circ}$C [14$^{\circ}$F to 104$^{\circ}$F]</p> <p>Storage Temp: -10$^{\circ}$C to +70$^{\circ}$C [-4$^{\circ}$F to 158$^{\circ}$F]</p> <p>Relative Humidity: 40-90% RH, non-condensing</p> <p>DISPLAY AND KEYBOARD</p> <p>Display: 6 digit, 7 segment, LED or LCD</p> <p>Digit Height: 20mm (VT200), 16mm (VT220)</p> <p>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</p> <p>Weight Digits: 4, 5 or 6 (setup selectable)</p> <p>Keyboard: 8 key membrane keyboard, with tactile feedback</p>	<p>ELECTRICAL</p> <p>Voltage: 85 - 265VAC</p> <p>Current: 500mA</p> <p>Battery Operation (Option): Internal rechargeable battery (VT220) Aluminum version only</p> <p>ISOLATED ANALOG OUTPUT (OPTIONAL)</p> <p>Resolution: 16 bit DAC</p> <p>Voltage Output: 0.02-10V</p> <p>Current: 0-20mA or 4-20mA</p> <p>Linearity: 0.002% of full scale</p> <p>Offset Drift: \leq2ppm/$^{\circ}$C</p> <p>INPUT & OUTPUTS</p> <p>(x1) Logic Input: 9-24VDC, negative common, opto-isolated to 2.5KV.</p> <p>(x2) Logic Output: 24Vdc\pm10%, positive common, max current 100mA, opto-isolated to 2.5KV.</p> <p>SERIAL COMMUNICATION</p> <p>Serial Output #1: RS-232, non-programmable</p> <p>Baud Rate: 2400 baud, full duplex</p> <p>Applications: continuous, print (on demand), alibi print</p> <p>Serial Output #2 (Optional): RS-232 or RS-485 setup programmable</p> <p>Baud Rate: 2400 - 57800 baud, half duplex</p> <p>Applications: EDP output, master-slave protocols, continuous output, remote printer</p> <p>ENCLOSURE</p> <p>Stainless Steel Enclosure:</p> <p>Dimensions: 252x152x62mm LxHxD [10x6x2.5in. LxHxD]</p> <p>Mounting: Wall and tilt mount</p> <p>Protection: IP65</p> <p>Wiring Connections: Cable glands</p> <p>Aluminium Enclosure:</p> <p>Dimensions: 194x100x107mm LxHxD [7.64x3.94x4.21in. LxHxD]</p> <p>Mounting: Desktop</p> <p>Protection: IP40</p> <p>Wiring Connections: D-sub connectors</p> <p>APPROVALS (ACCURACY CLASS III / IIIL)</p> <p>OIML R-76: 10000d single or dual interval EU-type approval no. DK0199.62</p> <p>NTEP: 10000d single or dual interval NTEP CC#.....</p> <p>Transducers is continually seeking to improve product quality and performance. Specifications may change accordingly.</p>

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