Model VT 120

Revere

VISHAY PRECISION GROUP

Weight Indicator With Internal Battery

FEATURES

- Economical general-purpose weighing indicator
- 100 hours rechargeable battery with front panel opening for easy replacement
- Large 6 digit LCD display with back light
- Numeric key pad
- Two serial ports for simultaneous printer and PC connection
- Heavy duty ABS enclosure
- Sample rate up to 30 conversions per second
- OIML R-76 approved to 10000d
- Hold function
- Preset tare
- Programmable ticket format up to 500 characters
- Consecutive transaction numbering

NOT AVAILABLE IN THE FOLLOWING REGIONS:

North America, Central America, South America

DESCRIPTION

The VT 120 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.

The VT 120 has a numeric key pad for easy entering of numeric values during calibration and pre-setting of the tare value.

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.

An internal rechargeable battery allows working for 100 hours under normal conditions. Front panel cover allows replacement of battery without affecting the unit's sealing.

APPLICATIONS

- Shipping and receiving scales
- Floor scales
- Bench scales
- Medical applications

CONFIGURATION

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Weight Indicator

SPECIFICATIONS

PERFORMANCE

Resolution:	10000 or 100000 dd (selectable)
Conversion Speed:	30 samples
Sensitivity:	1.0µV/Vsi for approved scales, 0.5µV/Vsi for non-approved scales.
Full Scale Range:	3mV/V
Linearity:	0.01% of full scale
Long Term Stability:	0.005% of full scale per year
Excitation:	+5VDC with sense (6 wires)
Number of Cells:	Up to 4, 350 ohm load cells
Filter:	digital filter - 3 stages
Offset Drift:	±150nV/°C, maximum
Span Drift :	3.5ppm/°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, preset tare with 10 tare memmories, hold function

ENVIRONMENTAL

Operating Temp:	-10°C to +40°C [14°F to 104°F]
Storage Temp:	-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, LCD, 21.2mm
Status Enunciators:	no motion, zero, net, units (kg, g)
Weight Digits:	4, 5 or 6 (setup selectable)
Keyboard:	18 key membrane keyboard, with tactile feedback (5 weight functions, 9 numeric, clear & enter)

ELECTRICAL

Voltage:	5VDC or 115 or 230VAC using power adapter
Power:	11W

SERIAL COMMUNICATION

Serial Output #1:	RS-232
Baud Rate:	1200 - 38400 baud, full duplex
Applications:	continuous or printer output, PC interface
Serial Output #2:	20mA current loop - output only
Baud Rate:	1200 - 9600 baud
Applications:	printer port and remote display

ENCLOSURE

Heavy Gage ABS:

Dimensions:	186.3x103x95mm LxHxD [7.32x4.05x3.74in. LxHxD]
Mounting:	desktop, wall and tilt mount

APPROVALS (ACCURACY CLASS III)

OIML R-76:	10000d EU-type approval no. T7334

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

Disclaimer

All product specifications and data are subject to change without notice.

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