

## Weight Indicator for Industrial Control



### FEATURES

- Economical general-purpose indicator
- Large 6 digit LED display
- Serial port for printer and EDP/PC connection
- Heavy duty industrial plastic enclosure
- Sample rate up to 30 conversions per second
- 3 level digital filtering
- Consecutive transaction numbering (optional)
- Programmable ticket format up to 100 characters

### DESCRIPTION

The VT 50 is an economical general purpose weighing indicator for industrial applications.

The heavy duty ABS enclosure is designed for desktop installation, yet easily adjusted for wall (tilt) or post mounting.

Serial RS-232 port provides interface to a PC / EDP or a printer, depending on the protocol selected. Ticket format can be edited and downloaded with programmable ticket numbers, date, and time.

### CONFIGURATION



### ORDERING INFORMATION

Item Number	Description
VT050-9030000381	UL power adaptor, low tilt stand
VT050-9030000382	UK power adapter, low tilt stand
VT050-9030000383	TUV power adapter, low tilt stand
VT050-9030000384	UL power adapter, high tilt stand
VT050-9030000385	UK power adapter, high tilt stand
VT050-9030000386	TUV power adapter, high tilt stand



**SPECIFICATIONS**

**PERFORMANCE**

Resolution: 10,000 or 50,000 dd (selectable)  
 Conversion Speed: 3, 7, 15, or 30 samples (selectable)  
 Sensitivity: 0.5  $\mu$ V/e (non-approved)  
 Full scale range: 3 mV/V  
 Linearity: 0.01 % of full scale  
 Excitation: +5 VDC with sense (6 wires)  
 Number of Cells: Up to 4, 350 ohm load cells  
 Filter: digital filter - 3 stages  
 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 Temp: -10°C to +40°C (14° to 104° F)  
 Storage Temp: -10°C to +70°C (-4° 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, lb, g, oz)  
 Weight Digits: 4, 5 or 6 (setup selectable)  
 Keyboard: 5 key membrane keyboard, with tactile feedback

**ELECTRICAL**

Voltage: 12 VDC or 115 or 230 VAC using power adapter  
 Power: 8W

**SERIAL COMMUNICATION**

Serial Output: RS-232  
 Baud Rate: 300 - 9600 baud, full duplex  
 Applications: printer output, or PC/EDP interface

**ENCLOSURE**

Heavy duty industrial plastic enclosure  
 Dimensions: 186.3x103x95 mm LxHxD (7.32x4.05x3.74 in. LxHxD)  
 Mounting: desktop standard optional wall (tilt) and post mount

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

**VISHAY TRANSDUCERS (VT) SALES OFFICES**

**VT Americas**  
Covina, CA

Tel: +1-800-626-2616  
 Fax: +1-626-332-3418  
 vt.us@vishaymg.com

**VT Spain**  
Madrid

Tel: +34-91-7218890  
 Fax: +34-91-7219056  
 vt.es@vishaymg.com

**VT Canada**  
Toronto

Tel: +1-416-251-2554  
 Fax: +1-416-251-2690  
 vt.can@vishaymg.com

**VT Finland**  
Espoo

Tel: +358-9-8194-220  
 Fax: +358-9-8194-2211  
 vt.fi@vishaymg.com

**VT UK**  
Basingstoke

Tel: +44-(0)125-646-2131  
 Fax: +44-(0)125-647-1441  
 vt.uk@vishaymg.com

**VT Norway**  
Oslo

Tel: +47-22-21-40-70  
 Fax: +47-22-21-92-10  
 vt.no@vishaymg.com

**VT Sweden**  
Karlskoga

Tel: +46-(0)586-630-00  
 Fax: +46-(0)586-630-99  
 vt.se@vishaymg.com

**VT Israel**  
Netanya

Tel: +972-9-863-8888  
 Fax: +972-9-863-8800  
 vt.il@vishaymg.com

**VT Germany**  
Heilbronn

Tel: +49-7131-3901-260  
 Fax: +49-7131-3901-2666  
 vt.de@vishaymg.com

**VT China**  
Tianjin

Tel: +86-22-2835-3503  
 Fax: +86-22-2835-7261  
 vt.prc@vishaymg.com

**VT France**  
Chartres

Tel: +33-2-37-33-31-20  
 Fax: +33-2-37-33-31-29  
 vt.fr@vishaymg.com

**VT Taiwan\***  
Taipei

Tel: +886-2-2696-0168  
 Fax: +886-2-2696-4965  
 vt.roc@vishaymg.com  
 \*Asia except China