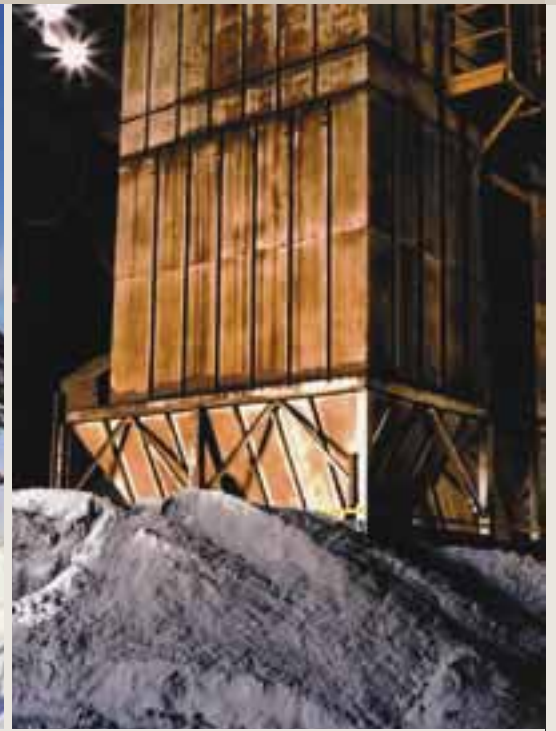VISHAY INTERTECHNOLOGY, INC.

WEIGHT INDICATORS SERIES

Vishay Transducers

Weight Indicators

Vishay Transducers

One-Stop Shop for Weighing Applications

In combination with Vishay Transducers' load cell product line, our weight indicators provide complete solutions for weighing applications.

Covering most weighing applications
- Platforms
- Weighbridges
- Inventory Control
- Material Handling
- Process Control

Wide range of installations types
- Desktop
- Wall mount
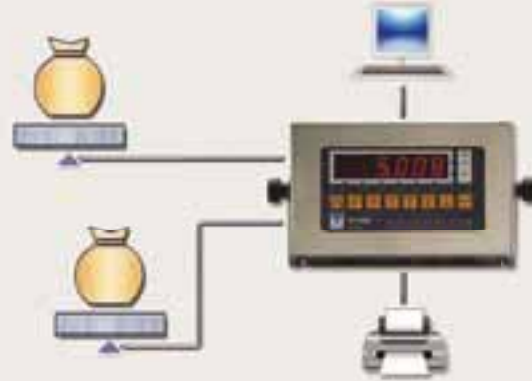- Panel mount
- DIN rail mount

World-wide weighing approvals
- OIML R-76
- NTEP H44

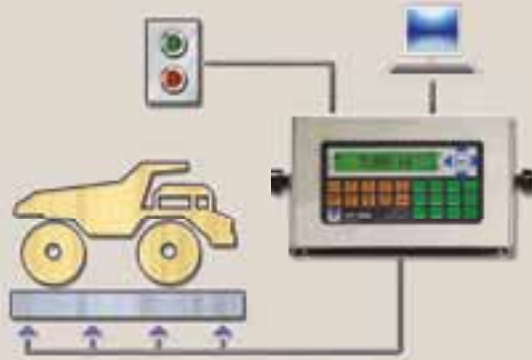| APPLICATION SELECTION GUIDE											
Application	**Products**										
	VT 50	VT 60	VT 100	VT 120	VT 200/220	VT 300	VT 400	VT 500	PS-1040	PS-1045	PS-1050
Platforms, Bench Scales	●	●	●	●	●	●					
Counting					●	●					
Weighbridges	◐	◐	◐	◐	◐	●					
Material Handling						○	●	●	◐	◐	◐
Bagging Scales								●			
Hopper Scales								●			
Stand-alone Batching							●	●	○	○	○
Networked Batching							○	◐	●	●	●

● Fully compatible with the application requirements
◐ Partially compatible with the application requirements
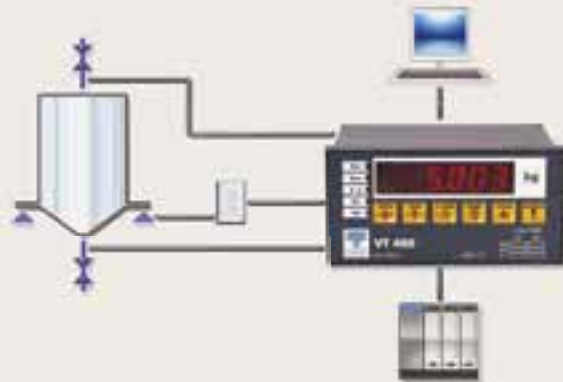○ Limited compatibility with the application requirements

APPLICATIONS

Platform, Bench Scales
Counting Scales
Inventory Control
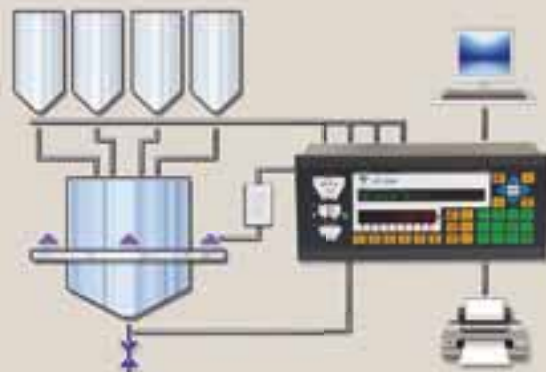**Various Industrial Weighing Systems**

Weighbridges
Inventory Control
Industrial Weighing Systems
Bench, Floor, and Counting Scales

Material Handling
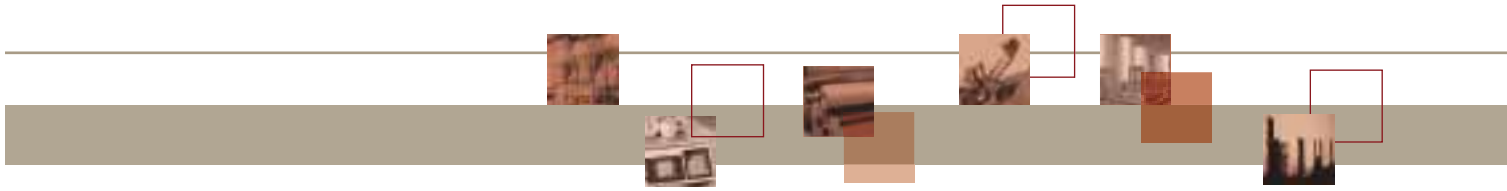**Process Weighing**
Inventory Control

Hopper Scales
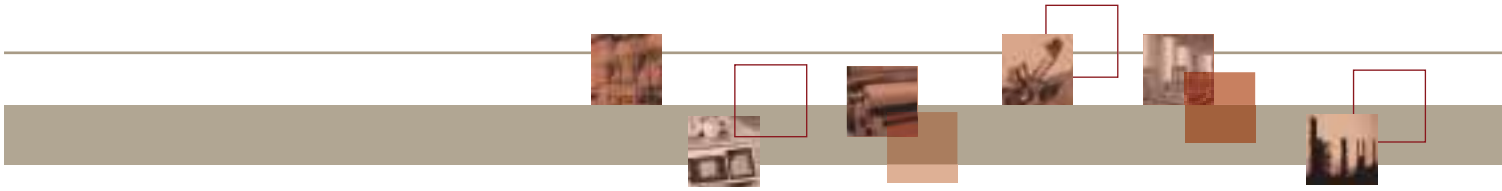**Gross and Net Weighers**
Drum-Filling Scales
Bagging Scales

FEATURES AND SPECIFICATIONS

Product	Application	Enclosure	Mounting Options				Display
			Desktop	Wall	Panel	DIN-Rail	
VT50	Platform, Bench Scales, Inventory Monitoring	ABS	x	x	With Adaptor		LED
VT60	Platform, Bench Scales, Inventory Monitoring	ABS	x	x	With Adaptor		LCD
VT100	Platform, Bench Scales, Inventory Monitoring	ABS	x	x	With Adaptor		LED
VT120	Platform, Bench Scales, Inventory Monitoring	ABS	x	x	With Adaptor		LCD
VT200	Platform, Bench Scales, Inventory Monitoring, Counting	Stainless Steel		x			LED
VT200	Platform, Bench Scales, Inventory Monitoring, Counting	Aluminum	x	x			LED
VT220	Platform, Bench Scales, Inventory Monitoring, Counting	Stainless Steel		x			LCD
VT220	Platform, Bench Scales, Inventory Monitoring, Counting	Aluminum	x	x			LCD
VT300	Weighbridge, Platforms, Counting	Stainless Steel		x			LCD
VT300	Weighbridge, Platforms, Counting	Aluminum	x	x			LCD
VT400	Mixing, Stand-alone Batching	ABS			x		LED
VT500	Bulk Handling—Hopper Scales, Belt Weigher, Bagging Scales	Steel			x		LED + VFD 2x40 Characters
PS-1040	Batching Systems	ABS				x	-
PS-1045	Batching Systems	ABS				x	LED
PS-1050	Batching Systems	ABS			x		LED

No. of Keys	Key Functionality	IP Level	Communication	Set Points	Approvals	Battery Operation
5	Basic	IP54	RS232	-	-	-
5	Basic	IP54	RS232	-	-	Optional
5	Basic	IP54	RS232	-	OIML 10,000 NTEP 10,000	-
5	Basic	IP54	RS232	-	OIML 10,000 NTEP 10,000	Optional
8	Basic	IP65 / IP54	RS232 Option RS485	2	OIML 10,000 NTEP 10,000	-
8	Basic	IP65 / IP54	RS232 Option RS485	2	OIML 10,000 NTEP 10,000	- / Optional
28	Alphanumeric + functions	IP65 / IP54	RS232 Option RS485	2	OIML 10,000 NTEP 10,000	- / Optional
5	Basic	IP40; Optional IP54 Panel Cover	RS232 Option RS485	2	OIML 10,000 NTEP 10,000	-
33	Alphanumeric + functions	IP54 Front Panel; IP40 Enclosure	4 ch. RS232/RS485 Printer	32 (I) 32(O)	OIML 10,000 NTEP 10,000	-
-	-	IP20	RS485; 0–10 V; 4–20 mA		-	-
5	Basic	IP20	RS485; MODBus; 4–20 mA; 0–10 V		-	-
5	Basic	IP20	RS485; MODBus; 4–20 mA; 0–10 V; Profibus (option)	2	-	-

Products	Features
VT 400	Weight controller provides weighing and control functions for industrial batch/blend/mix process systems. Two opto-isolated control outputs, a choice of up to two serial interface (RS-232 and RS-485) an analog output (optional) allow full communication with higher level PCs and PLCs. Up to 30 units can be interconnected through the RS-485 network. • Panel mount • 70 Samples per second • Two opto-isolated setpoint outputs • RS232 and/or RS485 serial ports • Alibi (Flash) memory • Power supply—24 Vdc • Analog output 0–10 Vdc or 4–20 mA (optional)
VT 500	Weighing controller designed for automatic discontinues weighing systems in bulk handling processes. It offers high-accuracy, high speed weighing, extensive control capabilities, easy adaptation and optimization of the process parameters and powerful data management. • Process control terminal • Special software for hopper scales and bagging scales. • LED and VFD display • Full alphanumeric keyboard • 228 Samples per second • In-flight compensation capability • Two analog output for PLC interface (option) • 16 opto-isolated outputs • 16 digital inputs • Process parameters protected by password
PS-1040/PS-1045	Batching system weighing indicator provides digital or isolated analog output signal for tank/bin/hopper weighing systems. High level serial communication is available in RS-232, or RS-485 format with Modbus RTU or Profibus protocol. Up to 32 transmitters can be connected point-to-point. • DIN rail mount digital/analog transmitter • 10 Points load cell linearization • 0–10 Vdc or 4–20 mA isolated analog output • Peak-hold measurement • Datasheet or dead load calibration • Serial communication with Modbus RTU protocol • Profibus interface (option)
PS-1050	Batching system weighing indicator provides digital or isolated analog output signal for tank/bin/hopper weighing systems. An isolated 0–10 V or 4–20 mA analog output provides factory floor communication for a data logger, remote panel meter, or PLC input. High level serial communication is available in RS-232, or RS-485 format with Modbus RTU or Profibus protocol. Up to 32 transmitters can be connected point-to-point. • Panel mount • 10 Points load cell linearization • Selectable 0–10 Vdc or 4–20 mA isolated analog output • Peak-hold measurement • Datasheet or dead load calibration • Serial communication with Modbus RTU protocol • Profibus interface (option)

Weight Indicators

Products	Features
VT 50/VT 100	General-purpose weight indicators for platform, bench scales and weighbridges. The heavy-duty plastic enclosure is designed for desktop, wall (tilt) mount, or post mount. RS-232 serial port enables connection to PC and serial printer. Ticket formats can be downloaded via the keypad or communication port. VT 100 is OIML- and NTEP-approved to 10,000d. • LED display • 30 Samples per second • 3-Level digital filtering • Serial printer and EDP/PC support • Programmable ticket format with consecutive transaction numbering
VT 60/VT 120	General-purpose weight indicators for platform, bench scales and weighbridges. The heavy-duty plastic enclosure is designed for desktop, wall (tilt) mount, or post mount. RS-232 serial port enables connection to PC and serial printer. Ticket formats can be downloaded via the keypad or communication port. VT 120 is OIML- and NTEP-approved to 10,000d. • LCD display • Rechargeable battery (option) • 30 Samples per second • 3-Level digital filtering • Serial printer and EDP/PC support • Programmable ticket format with consecutive transaction numbering
VT 200/VT 220 (aluminum case) (stainless steel case)	Versatile unit with a wide range of industrial and commercial applications. Automatic date and time storage with the real-time clock option clearly documents all printout records. Additional digital and analog inputs and outputs can be supported by optional add-on modules. • Dual range and dual interval • Counting mode • 70 Samples per second • Serial printer support with programmable ticket format • Alibi (Flash) memory • Stainless steel enclosure, IP65; or aluminum enclosure, IP54 • RS485 serial interfaces (option) • Real-time clock (option) • 2 Setpoints, opto-isolated (option) • Analog output 0–10 Vdc or 4–20 mA (option) • Dual scale operation (option)
VT 300	Designed primarily for weighbridge applications. Its software manages various transactions, allowing choices of customer, material type or truck identification. All the activities are stored in non-volatile memory and available to be reported in 4 programmable printing formats. • Dual range and dual interval • 27 Keys, pseudo-alphanumeric and functions keyboard. • 16 Character dot-matrix LCD display with backlight. • 2 Opto-isolated setpoints • Alibi (Flash) memory • Programmable transactions database • 4 programmable ticket formats • Counting mode • Dual scale operation (option) • Analog output (option) • RS485 serial interface (option)

VISHAY MEASUREMENTS GROUP

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Vishay BLH • Vishay Celtron • Vishay Nobel • Vishay Sensortronics • Vishay Tedea-Huntleigh
Vishay Micro-Measurements:
Vishay Micro-Measurements • Vishay BLH SR-4®

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WORLDWIDE SALES CONTACTS

THE AMERICAS

VISHAY TRANSDUCERS AMERICAS
677 ARROW GRAND CIRCLE
COVINA, CA 91722
USA
PH: +1-800-722-0820 (TOLL FREE)
+1-626-858-8899
FAX: +1-626-332-3418
E-MAIL: VT.US@VISHAYMG.COM

VISHAY TRANSDUCERS CANADA
12 STEINWAY BOULEVARD, UNIT 1
TORONTO, ONTARIO M9W 6M5
CANADA
PH: +1-800-567-6098 (TOLL FREE)
+1-416-251-2554
FAX: +1-416-251-2690
E-MAIL: VT.CAN@VISHAYMG.COM

ASIA

VISHAY TRANSDUCERS TAIWAN*
15 FL, NO. 86, SEC.1 SHINTAI 5TH RD.
SHIJR CITY, TAIPEI, 221
TAIWAN, R. O. C.
PH: +886-2-2696-0168
FAX: +886-2-2696-4965
E-MAIL: VT.ROC@VISHAYMG.COM
*ASIA EXCEPT CHINA

VISHAY TRANSDUCERS CHINA
NO. 5 BINGUAN NAN DAO YOUYI RD.
HEXI DISTRICT, TIANJIN CHINA
CODE 300061
PH: +86-22-2835-3503
FAX: +86-22-2835-7261
E-MAIL: VT.PRC@VISHAYMG.COM

EUROPE

VISHAY MEASUREMENTS GROUP GERMANY
TATSCHENWEG 1
74078 HEILBRONN
GERMANY
PH: +49-7131-3901-260
FAX: +49-7131-3901-2666
E-MAIL: VT.DE@VISHAYMG.COM

VISHAY MEASUREMENTS GROUP UK
STROUDLEY ROAD, BASINGSTOKE
HAMPSHIRE RG24 8FW
UNITED KINGDOM
PH: +44-125-646-2131
FAX: +44-125-647-1441
E-MAIL: VT.UK@VISHAYMG.COM

VISHAY MEASUREMENTS GROUP FRANCE
16 RUE FRANCIS VOVELLE
28000 CHARTRES
FRANCE
PH: +33-2-37-33-31-20
FAX: +33-2-37-33-31-29
E-MAIL: VT.FR@VISHAYMG.COM

VISHAY TRANSDUCERS SWEDEN
P.O. BOX 423
SE-691 27 KARLSKOGA
SWEDEN
PH: +46-586-63000
FAX: +46-586-63099
E-MAIL: VT.SE@VISHAYMG.COM

VISHAY TRANSDUCERS NORWAY SYSTEMS PRODUCTS
BROBEKKVEIEN 80
NO-0582 OSLO
NORWAY
PH: +47-22-88-40-90
FAX: +47-22-88-40-99
E-MAIL: VT.NO@VISHAYMG.COM

VISHAY TRANSDUCERS FINLAND SYSTEMS PRODUCTS
JORVAS HITECH CENTER
FI-02420 JORVAS
FINLAND
PH: +358-(0)9-8194-220
FAX: +358-(0)9-8194-2211
E-MAIL: VT.FI@VISHAYMG.COM

VISHAY MEASUREMENTS GROUP ISRAEL
5 HAZORAN STREET
P.O. BOX 8381, NEW INDUSTRIAL ZONE
NETANYA 42506
ISRAEL
PH: +972-9-863-8888
FAX: +972-9-863-8800
E-MAIL: VT.IL@VISHAYMG.COM

www.vishaymg.com
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