

SC

Viper SmartCount

Efficient piece counting and convenient data capture combined with great flexibility and utmost precision – a complete counting system for industry. This is the Viper SmartCount.



Advantages that pay off:

- Flexibility & versatility
- System integratable
- Easy operation
- Highly accurate inventory control
- Fast, precise results

**Counting in production:
smart and clever**

METTLER TOLEDO

Easy, convenient data entry and output, individually configured.

- Applications: Convenient counting and weighing, recording of inventory levels and movements, plus/minus counting and weighing (checkweighing and checkcounting), dispensing, totalization of piece weights and counts, weighing in and counting to zero or target value
- Locations: Goods receiving, shipping, mail room, warehouse, industrial production
- Functions: Weight determination, counting, dispensing, checking, stocktaking, inventory movements, replacement instrument

Main features

- Rugged industrial quality with durable diecast aluminum housing and chrome-nickel steel weighing pan
- Application-oriented design and construction
- Easily-readable active dot-matrix display (235 x 64 pixels)
- 2 housing sizes with 3 different platform sizes
- 25 function keys with action point and tactile confirmation, also acoustic on request
- Fast and stable, with HSFT® (High Speed Filter Technology)
- Precise high resolution
 - Viper SC
 - 120,000 – 175,000 points (d)
 - 3 million points internal computation resolution
 - Viper MB SC
 - 610,000 – 3,510,000 points (d)
 - 15 million points internal computation resolution
- All models approvable
 - Viper SC
 - 2 x 3,000 approvable points (e) DualRange, in verified version OIML Class III (-10°C to +40°C)
 - Viper MB SC
 - Up to 35,100 approvable points (e) with 351,000 displayed points (e=10d) OIML Class II (+10°C up to 30°C)
- Compact AC adapter built into housing
- EMC to highest German chemical industry standards (EN61326-1 Cl. B, EN61000-3-2, EN61000-3-3, EN61326-1) and to electrical safety regulations EN61010-1
- 3 RS232 and 1 PS/2 interface as standard

Product advantages

- Expandable, integratable system (e.g. optional Ethernet or USB interface)
- Easy user guidance with hands-free mode
- 30 individually configurable function keys
- Big Weight® display with individually adjustable contrast and reverse-video display
- Choice of six languages for menu guidance
- Comprehensive database with at least 1,500 articles incl. supplementary information can be expanded practically without limit with memory modules (or managed from an optional PC)
- Service-friendly thanks to easy updating of scale software with Windows-based flash-loader program
- Can be battery-operated with internal storage battery or external 12V battery
- Two-scale operation via analog (Viper SC only) or RS interface
- Several printer types (including A4)
- Large selection of peripherals (incl. barcode reader, keyboard, ...)



Two-scale system: Viper SC as reference scale and analog weighing platform as quantity scale

Viper SmartCount

Functions

- Plus/minus weighing and dispensing with bargraph and beeper for visual and acoustic support
- Article management in the database as well as via an optional PC program
- Tolerance check and counting-accuracy check
- Totalization
- High-resolution mode
- Automatic reference optimization
- Add mode
- User ID entry
- Date and time
- Direct input of piece weights and tare values
- Filter adaptable to environmental conditions
- Manually set Timeout (rental scales)
- Power-safe function
- Switchable between weighing/counting mode
- Special function for formatting printouts (e.g. barcode)

Viper MB SC – MonoBloc inside

The improved repeatability and linearity up to one hundredth of a gram, allows working closer to certainty limits and reduces fault or reject percentage.



Model	Viper MB SC 1.5 XS	Viper MB SC 3 XS	Viper MBL SC 3 XS	Viper MBD SC 3 XS	Viper MB SC 6 SM	Viper MB SC 6 LA	Viper MB SC 15 LA	Viper MB SC 35 LA	Viper MBD SC 35 LA
Dimensions (mm)	Small model, 265 x 335 x 100					Large model, 360 x 370 x 115			
Platform size (mm)	165 x 165				200 x 240	240 x 350			
Weighing range (g)	1600	3100	3100	600/3100	6100	6100	15100	35100	7000/35100
Readability (g)	0.01	0.01	0.1	0.01/0.1	0.1	0.1	0.1	0.1	0.1/1
Linearity (typ.) (g) ¹⁾	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.1	+/- 0.2	+/- 0.3	+/- 0.3	+/- 0.3
Repeatability [s] (typ.) (g)	0.01	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Accuracy (standard)	Up to 351,000 d (35,100 e)								
Internal computation resolution	15,000,000 points								
Adjustment weight (g) ²⁾	1500	3000	3000	3000	6000	6000	15000	35000	35000
uilt-in calibration weight (option)	-	-	-	-	-	•	•	•	•
Degree of protection	IP43								
	¹⁾ In temperature range 10 ... 30°C								
	²⁾ Can be software-reduced for adjustment								



Model	Viper SC 3 SM	Viper SC 6 SM/LA	Viper SC 15 SM/LA	Viper SC 35 LA	Viper SC 60 LA
Dimensions (mm)	Small model, 265 x 335 x 100			-	-
	-	Large model, 360 x 370 x 115		-	-
Platform size (mm)	200 x 240	200 x 240	200 x 240	-	-
	-	240 x 350	240 x 350	240 x 350	240 x 350
Weighing range 1/2 (kg)	1.5/3	3/6	6/15	15/35	30/60
Readability 1/2 (g)	0.5/1	1/2	2/5	5/10	10/20
Linearity (typ.) (g) ³⁾	+/- 0.2	+/- 0.5	+/- 1	+/- 2	+/- 5
Repeatability (typ.) (g)	0.1	0.2	0.5	1	2
Max. resolution displayed	150,000 points	120,000 points	150,000 points	175,000 points	120,000 points
Accuracy (standard)	2 x 3,000 d = e				
Internal computation resolution	3,000,000 points				
Degree of protection	IP43				
	³⁾ In temperature range -10 ... 40°C				

Viper SmartCount device options

Interface options

- COM1 + COM2 + COM3 + PS/2 (standard)
- COM1/COM2¹⁾ 2) + COM3 + analog + PS/2
- COM1 + COM2 + Ethernet + PS/2
- COM1 + COM2 + USB³⁾ + PS/2
- COM1 + Ethernet + analog + PS/2
- COM1 + USB³⁾ + analog + PS/2

1) COM 1 and COM2 via standard Y-cable

2) COM 2 printer function only

3) USB (Slave)

Approved version

Viper MB SC

- Viper MB with internal adjustment weight can be delivered fully verified at the factory.

Viper MB without internal calibration weight with first-step factory certification.

- Certification according to OIML class II with $e=10d$

Viper SC

- Factory-verified OIML class III, 2 x 3,000 display points DualRange

Housing color

- Silver

Mobile use

- Internal storage battery
- External 12V battery connection

Degree of protection

- PVC protective cover in place



Accessories

- Zebra LP 2844 / Zebra LP 2824 label printer
- MT Sprinter 1 strip printer
- Replacement PVC protective cover
- Auxiliary display
- Miniature PS/2 keyboard
- Protective cover for miniature keyboard
- PS/2 barcode reader with additional connection for PS/2 keyboard
- LC I/O relay box
- Anti-theft device
- RS 232 printer cable 1.8 m (9-pin, D-sub, m/m, crossed)
- RS 232 printer cable 1.8 m (25/9-pin, D-sub, m/m, crossed)
- RS 232 cable for auxiliary display 1.8 m (9-pin, D-sub, m/m, crossed)
- RS 232 cable for PC 1.8 m (9-pin, D-sub, m/f, parallel)
- USB 1.1 cable for PC, 1.8 m, type A-B
- Ethernet cable category 5 patch STP crossed for PC
- Ethernet cable category 5 patch STP for connection to network

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the solution you wanted?
Order now!**

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