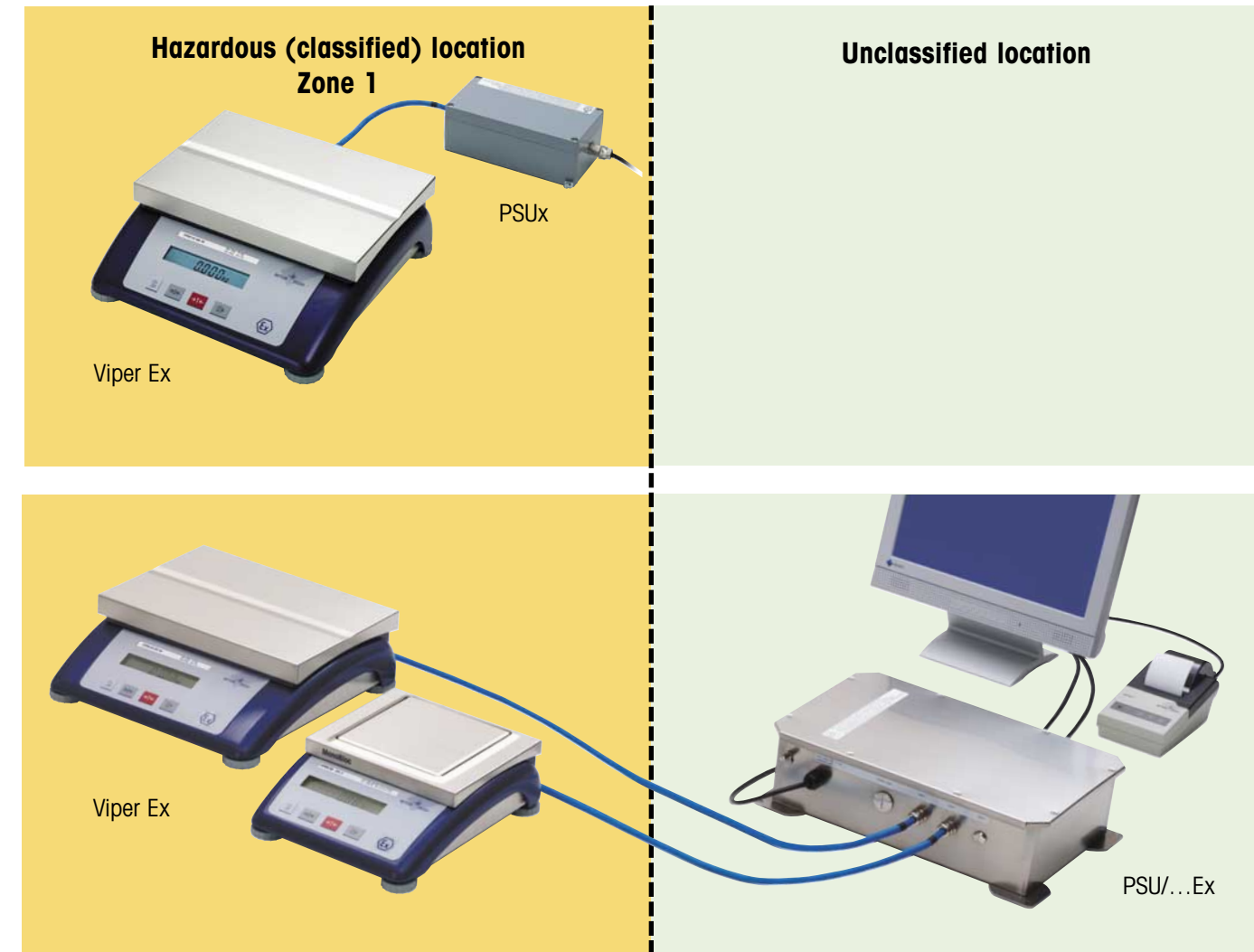




- **Excellent weighing accuracy**
thanks to MonoBloc weighing cell
- **High-resolution mode**
for higher resolution at the touch of a key
- **Rugged industrial quality**
due to durable cast aluminum housing and chrome-nickel steel weighing pan
- **Large product range**
so you find the right model for your needs
- **Backlit display**
with large, easy-to-read LCD for clear results
- **One standard interface**
enables computers and printers to be connected without problem
- **External AC adapters**
in hazardous and non-hazardous zones guarantee trouble-free power supply
- **Certified versions**
according to OIML for classes II, III

System configurations



Technical data AC adapter

Model	PSU/...Ex	PSUx/230 V	PSUx/120 V
Power supply	100 - 240 V AC, 50/60 Hz	230 V AC, 50 Hz	120 V AC, 60 Hz
IP protection	IP65	IP65	IP65
Temperature range	-10°C ... +40°C	-10°C ... +40°C	-10°C ... +40°C
Protection type			
- CENELEC	II (2) G, D [EEx ib] IIC	II 2 G, D EEx em [ib] IIC T4	-
- FM	AIS Class I, II, III DIV 1 Group A-G	-	Class I, II, III DIV 1 Group A-G
- CSA	-	-	Class I, II, III DIV 1 Group A-G
Power supply cable (m)	2,4 (M16 x 1,5)	1,9 (M16 x 1,5)	- (1/2" NPT)
Cable for Viper Ex (m)	10, max. 50	5, max. 50	5, max. 50
Dimensions [W x D x H] (mm)	426 x 268 x 117	278 x 120 x 85	278 x 120 x 85
Scale slots	3, max. connectable 3	-	-
Interface slots	3, max. connectable 3	-	-

Sales/Service:



Certified. Developed and produced according to standard ISO9001. Our environmental management system complies with ISO14001.



Conformity. All METTLER TOLEDO products conform to the stringent EU directives.



Also on the Internet. For fast information about our products and services as well as our company, visit <http://www.mt.com>

The intrinsically safe compact scales combine leading technology, user friendliness, and measurement certainty in rugged industrial design.



• 2 sensor technologies
• 5 weighing ranges
• 3 platform sizes

Viper Ex – the hazard free way to precise weighing results

Leading-edge technology in rugged industrial design

The intrinsically safe compact scales for zone 1 hazardous areas not only increase your productivity and measurement certainty but look smart, too.

Viper Ex is a complete range of scales for the pharmaceutical and chemical industries. Individual models are available with up to 3 different weighing platform sizes and in 5 weighing ranges from 1.5 to 60 kg.

This makes the range so comprehensive that it can always offer the right scale for the most varied weighing, formula weighing, or dispensing applications. The Viper Ex line is especially user friendly and performs impressively for the price. Visible proof is the easy-to-read backlit LC display with character sizes up to 16 mm.

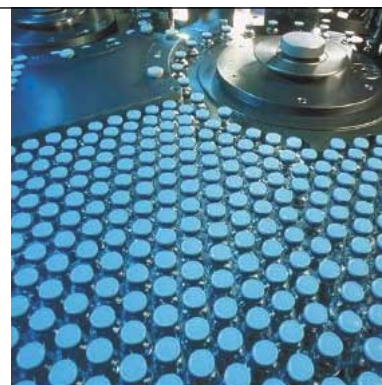
A ruggedly elegant diecast aluminum housing stands up to all the demands of daily industrial use.

This is also reflected in the selection of sensors which are available. A strain-gauge or MonoBloc weighing cell provides the appropriate technology for every type of application.

Providing power to the systems components is no problem with the PSU/... Ex or PSUx AC adapters. All modules are also approved to EU directive 94/9/EU (ATEX).

A CL data interface and PSU/...Ex AC adapter allow your weighing solution to communicate with computer systems or printers in the non-hazardous area.

Needless to say, the METTLER TOLEDO range offers customer-friendly solutions for this purpose, too. The comprehensive accessories include strip printers, matching connecting cables, and an optional antitheft device.

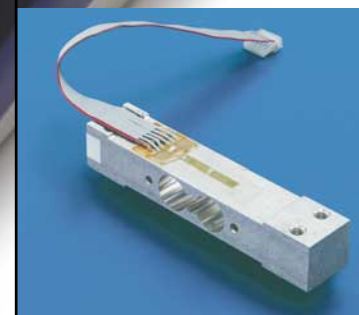


Viper Ex MB – MonoBloc loadcell inside. Rugged aluminum alloy guarantees highly accurate measurement results for years. Better repeatability and linearity reduce fault and reject rates.

MonoBloc
inside



The Viper Ex line with strain-gauge technology is ideal for weighing within the production process, whether for filling or checking the target weight. The MonoBloc scales are suitable for all laboratory applications or for quality control, formula weighing, determination of small weight changes in chemical substances, or checking production quality.



Viper Ex DR – a dual range scale
Rugged strain-gauge technology provides maximum reliability for everyday industrial use. With a resolution of 2 x 3000 e you always weigh with the greatest accuracy in each range.

Strain-gauge Technology	Viper Ex	DR 3 S	DR 6 S	DR 15 L	DR 35 L	DR 60 L
	Dimensions [W x D x H] (mm)	265 x 335 x 100	265 x 335 x 100	265 x 335 x 100	360 x 370 x 115	360 x 370 x 115
Weighing platform (mm)	200 x 240	200 x 240	200 x 240	240 x 350	240 x 350	240 x 350
Maximum capacity (kg)	3	6	15	35	60	60
Readability [Max/e] (kg/g)	1.5/0.5 3/1	3/1 6/2	6/2 15/5	15/5 35/10	30/10 60/20	30/10 60/20
Verification scale interval (g)	0.1	0.2	0.4	1	2	2
Repeatability [s] (g)	0.1	0.2	0.5	1	2	2
Linearity (g) ¹⁾	±0.2	±0.5	±1	±2	±5	±5

¹⁾ in temperature range -10...40°C

MonoBloc Technology	Viper Ex	MB 1.5 X	MB 3 X	MB 6 S	MB 15 L	MB 35 L
	Dimensions [W x D x H] (mm)	265 x 335 x 100	265 x 335 x 100	265 x 335 x 100	265 x 335 x 100	360 x 370 x 115
Weighing platform (mm)	165 x 165	165 x 165	200 x 240	240 x 350	240 x 350	240 x 350
Maximum capacity (g)	1600	3100	6100	15100	35100	35100
Readability [e=10d] (g)	0,01	0,01	0,1	0,1	0,1	0,1
Verification scale interval (g)	0.002	0.002	0.02	0.02	0.02	0.02
Repeatability [s] (g)	0.01	0.01	0.1	0.1	0.1	0.1
Linearity (g) ¹⁾	±0.02	±0.02	±0.1	±0.3	±0.3	±0.3

¹⁾ in temperature range 10...30°C



Model	Viper Ex DR	VIPER Ex MB
Application	Weighing, taring, data transfer	Weighing, taring, data transfer
Further functions	Dynamic weighing, dispensing mode, change of display accuracy, unit switching, automatic taring, adaption to environmental conditions	Dynamic weighing, dispensing mode, change of display accuracy, unit switching, automatic taring, adaption to environmental conditions
Resolution	2 x 3000 e, certification class III/ 35000 d	up to 35000 e, certification class II / 350000 d
Display	Easy-to-read LCD with backlighting (character height 16 mm)	Easy-to-read LCD with backlighting (character height 16 mm)
Stabilization time	Approx. 1.0 second	Approx. 1.2 second
Keys	Large function keys with action point for standby, zero setting, tare, data transfer	Large function keys with action point for standby, zero setting, tare, data transfer
Equipment	Configurable bidirectional CL data interface	Configurable bidirectional CL data interface
Housing	Diecast aluminum	Diecast aluminum
Weighing pan	Chrome-nickel steel	Chrome-nickel steel
Protection degree	IP43	IP43
CENELEC protection type	II 2 G EEx ib IIC T4	II 2 G EEx ib IIC T4
FM/CSA protection type	Class I DIV 1 Group A, B, C, D	Class I DIV 1 Group A, B, C, D



Chrome-nickel steel
Diecast aluminum housing
Backlit LCD
Waterproof membrane keypad

Standby
Zero
Tare
Data transfer