

Automated Weighing From Just 1 μg

Flexibility for Complex Solutions



Automated

Packaged in a compact and rugged stainless steel housing, the WXS weighing module introduces state-of-the-art technology to your automated process.



Customized

The adapter weighing pan allows for customer-tailored system assemblies.



Quick to Clean

Efficient cleaning of the entire system is a common requirement in order to avoid cross contamination when formats and products change. The weighing pan is easily removed for cleaning. With the enclosed cover mounted, the weigh module is IP45 rated and can be rinsed with a cleaning fluid.



WXS

High-Precision Weigh Modules

The sum of all advantages

- Avoid cross-contamination
- Increases speed and accuracy of automated processes
- Reduces cycle times
- High availability
- Minimum mounting space
- Fits to plenty connectivity concepts
- Specific accessories

Model Specific Weighing Data

Type information	WXS26	WXS26DU
Nominal capacity (nominal load)	20 g	20 g
Maximum capacity	22 g	22 g
Maximum capacity, fine range	-	11 g
Maximum preload ^{M1)}	15.8 g	15.8 g
Readability	0.001 mg	0.01 mg
Readability, fine range	-	0.001 mg
Internal adjustment	✓	✓
Limit values ^{M2)}		
Repeatability (σ) (nominal load) \leq ^{M3)}	0.003 mg	0.006 mg
Repeatability, fine range (σ) \leq ^{M3)}	-	0.0035 mg (10 g)
Linearity deviation \leq	0.02 mg	0.03 mg
Eccentric load deviation (test load) \leq	0.03 mg (10 g)	0.03 mg (10 g)
Sensitivity temperature drift \leq ^{M4)}	0.03 mg/°C	0.03 mg/°C
Typical values ^{M5)}		
Repeatability (σ) (nominal load) \leq	0.002 mg	0.004 mg
Repeatability, fine range (σ) \leq	-	0.0025 mg (10 g)
Settling time \leq	5 s	5 s
Ambient conditions		
Compensated temperature range ^{M6)}	10 °C to 30 °C	
Operating temperature range	5 °C to 40 °C	
Storage temperature range	-20 °C to 70 °C	
Relative air humidity range ^{M6)}	20 % to 80 %	
Warm-up time after power-on ^{M6)}	60 minutes	

^{M1)} Maximum preload on top of "preload reference" weighing pan to maintain maximum capacity. ^{M2)} Applicable for stationary conditions within compensated temperature and relative air humidity range. ^{M3)} σ = standard deviation (99.7 % of weighing results within $\pm 3 \sigma$). ^{M4)} Weighing tests according to OIML R76 A.5.3 at stationary conditions. ^{M5)} Applicable for stable environmental conditions and optimal filter settings. ^{M6)} Condition to meet the specified limit values.

General Data

Electrical connection	
Power supply	Input: 100 –240 V AC, 50/60 Hz, 0.5 A; Output: 12 V DC, 2 A
Communication interface	RS232 Ethernet (optional)
Maximum weight update rate	92 values/s and 23 values/s ⁶¹⁾
IP Protection	
Module during weighing	IP30
Module during cleaning ⁶²⁾	IP45
Electronic unit	IP40
Materials	
Weighing pan/platform	Stainless steel (1.4404 / 316L); Plastic
Weigh module housing	Stainless steel (1.4404 / 316L)
Electronic unit housing	Stainless steel (1.4404 / 316L)

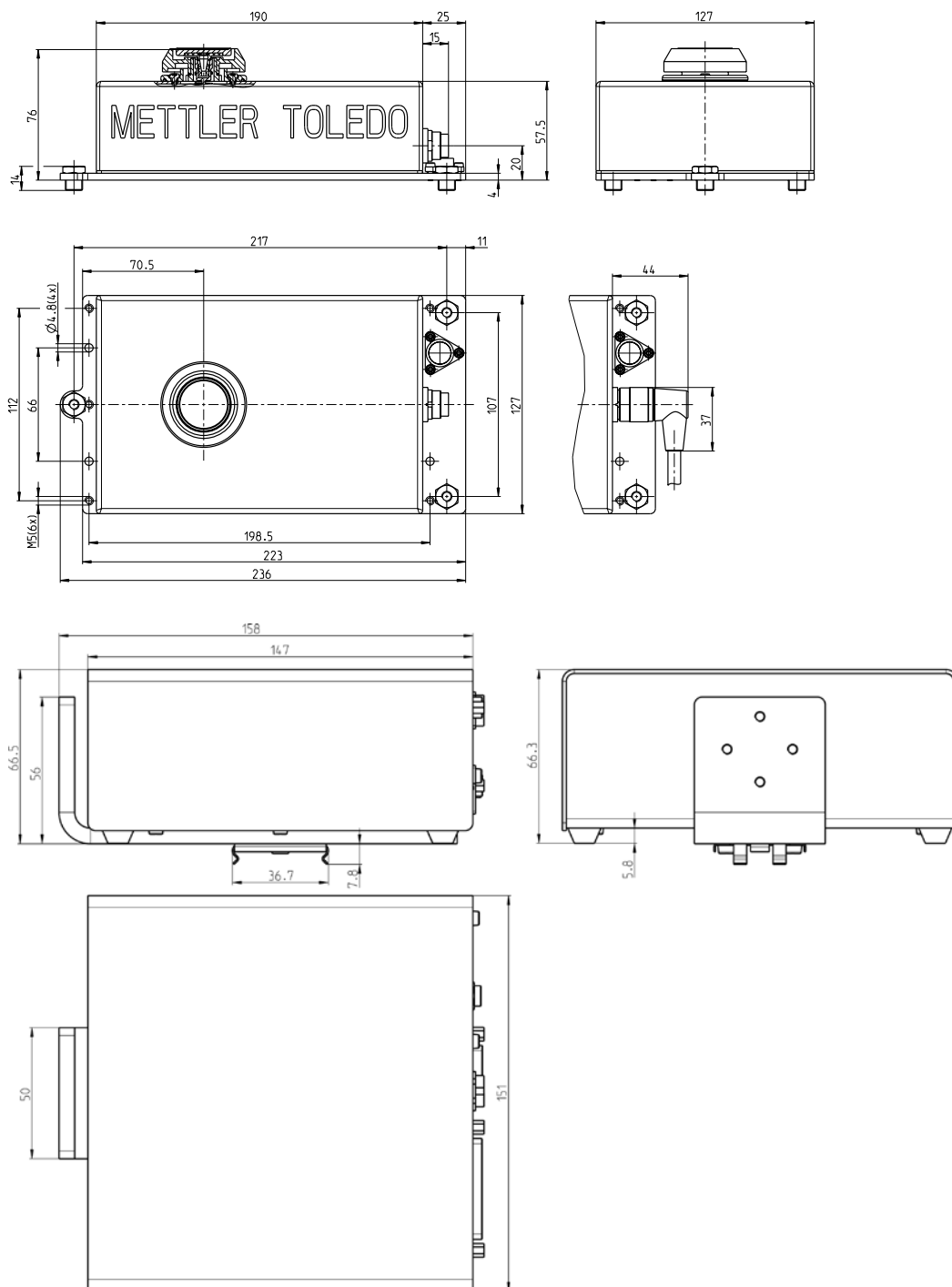
⁶¹⁾ In combination with a terminal. ⁶²⁾ With plastic cover mounted.

Scope of Delivery

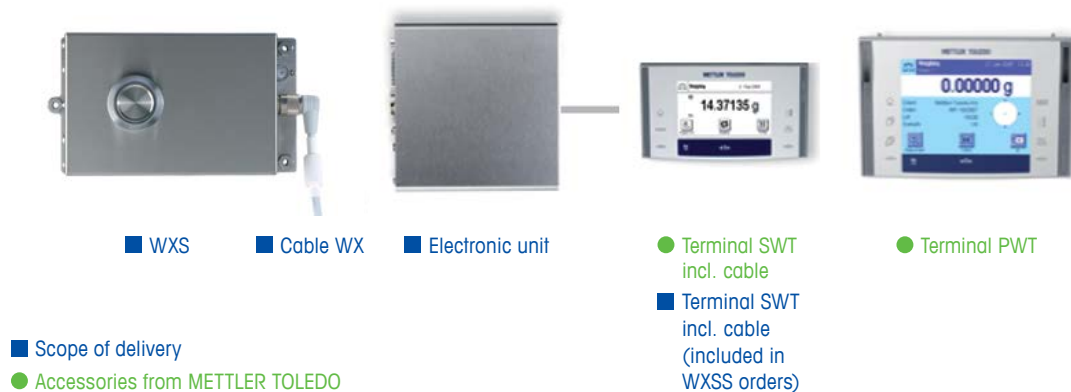
Item	Description	Item number
WXS	Load cell	
Weighing pan	$\varnothing = 32$ mm, without threaded holes, approx. 21.5 g	
Adapter weighing pan (preload reference) ^{S1)}	$\varnothing = 32$ mm, with threaded holes, approx. 7.2 g	
Electronic unit	Including mounting bracket and DIN clip	
Cable WX 90/1.5	Connection cable weigh module to electronic unit (90°/1.5 m)	111 214 40
Power supply	Including country specific power cable	
Production certificate		
Declaration of Conformity		
Quick guide		
Terminal SWT ^{S2)}	Monochrome touch screen display (including 0.575 m and 2.0 m terminal cables, protective cover)	111 210 57
Cable terminal [S2]	2 m	111 321 33

^{S1)} Customer setup minimum weight = 13.8 g (refer to installation manual for details). ^{S2)} Only with WXSS Versions.





Drawings (mm)



Typical Configuration



Accessories

Item	Description	Item number	Picture
Cable WX 90/0.5	Connection cable weigh module to electronic unit (90°/0.5 m)	111 214 42	
Cable WX 90/5	Connection cable weigh module to electronic unit (90°/5 m)	111 214 41	
Terminal PWT	Color touch screen display, multi-user functionalities	111 210 58	
Cable terminal	0.575 m	111 321 24	
Cable terminal	0.945 m	111 321 29	
Interface second RS232C	Additional RS232C interface in electronic unit	111 325 00	
Interface Ethernet	Additional Ethernet interface in electronic unit	111 325 15	
Weighing below adapter	Adapter for below weighing applications	111 210 81	
Draft shield	Glass draft shield with sliding door	111 210 71	

Order Information

WXS Model	26		26DU	
	Standard	SI Units *	Standard	SI Units *
No terminal	WXS26S/15 111 213 90	WXS26SV/15 111 213 98	WXS26SDU/15 111 214 67	WXS26SDUV/15 111 214 75
Monochrome terminal SWT	WXSS26 111 213 88	WXSS26V 111 213 96	WXSS26DU 111 214 65	WXSS26DUV 111 214 73
EU legal-for-trade version with SWT terminal	WXSS26/M 111 214 12		WXSS26DU/M 111 214 84	

* Only SI units are displayed: g, mg, ct

www.mt.com/ind-WXS

For more information

METTLER TOLEDO Group

Industrial Division

Local contact: www.mt.com/contacts



Subject to technical changes

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