Designed for Automation
Flexibility for Complex Solutions

Maximum workspace
The WXT weigh modules provide highest flexibility in setup and operation- even in locations where space is at a premium.

Simple Cleaning
The WXT weigh module allows for thorough cleaning to avoid cross-contamination.

Level control
With the integrated air bubble and the leveling screws you have the level always under control.

WXTP with SmartScreen
As an option an illuminated, color display with "touch screen" is available. You can not only read data, but you can also make settings and execute functions by touching the surface of the screen. It offers profiles configured individually for up to eight users or jobs.

WXT
High-Precision Weigh Modules

The sum of all advantages
- Avoid cross-contamination
- High availability
- Transportable analytical balance
- Minimum space requirements
- 360° accessibility
- Fits to plenty connectivity concepts
- Specific accessories

METTLER TOLEDO

Model Specific Data WXT

Parameter (nominal)		205	205DU	204
Maximum capacity	nom.	220g	220g	220g
Readability	nom.	0.01mg	0.1mg	0.1mg
Maximum capacity, fine range	nom.	–	111g	–
Readability, fine range	nom.	–	0.01mg	–
Zero setting range (legal-for-trade versions)		20g	20g	20g
Measurement properties (apply to environment conditions)				
Specification temperature		10 ... 30 °C	10 ... 30 °C	10 ... 30 °C
Specification humidity		20 ... 80 %rH	20 ... 80 %rH	20 ... 80 %rH
Specification pressure		–	–	–
Limit values				
Repeatability (measured at)		0.04mg (200g)	0.07mg (200g)	0.1mg (200g)
Repeatability at low load (measured at)		0.02mg (10g)	–	0.07mg (10g)
Repeatability at fine range (measured at)		–	0.03mg (100g)	–
Repeatability at low load, fine range (measured at)		–	0.02mg (10g)	–
Linearity		0.15mg	0.2mg	0.25mg
Eccentric load deviation OIML R76 (measured at)		0.3mg (100g)	0.3mg (100g)	0.4mg (100g)
Sensitivity offset		$2.5 \times 10^{-6} \bullet Rnt$	$3 \times 10^{-6} \bullet Rnt$	$4 \times 10^{-6} \bullet Rnt$
Sensitivity temperature drift [1]		$1.5 \times 10^{-6}/°C \bullet Rnt$	$1.5 \times 10^{-6}/°C \bullet Rnt$	$1.5 \times 10^{-6}/°C \bullet Rnt$
Sensitivity stability [2]		$2.5 \times 10^{-6}/a \bullet Rnt$	$2.5 \times 10^{-6}/a \bullet Rnt$	$2.5 \times 10^{-6}/a \bullet Rnt$
Typical values				
Repeatability [1]	typ.	$0.015mg + 8 \times 10^{-8} \bullet Rgr$	$0.04mg + 1.2 \times 10^{-7} \bullet Rgr$	$0.05mg + 1.5 \times 10^{-7} \bullet Rgr$
Repeatability, fine range [1]	typ.	–	$0.025mg + 5 \times 10^{-8} \bullet Rgr$	–
Differential linearity deviation	typ.	$\sqrt{(5 \times 10^{-12}g \bullet Rnt)}$	$\sqrt{(2 \times 10^{-11}g \bullet Rnt)}$	$\sqrt{(5 \times 10^{-11}g \bullet Rnt)}$
Differential eccentric load deviation	typ.	$6 \times 10^{-7} \bullet Rnt$	$8 \times 10^{-7} \bullet Rnt$	$1 \times 10^{-6} \bullet Rnt$
Sensitivity offset [2]	typ.	$5 \times 10^{-7} \bullet Rntr$	$7 \times 10^{-7} \bullet Rntr$	$1 \times 10^{-6} \bullet Rnt$
Minimum weight (according to USP) [1]	typ.	$45mg + 2.4 \times 10^{-4} \bullet Rgr$	$120mg + 3.6 \times 10^{-4} \bullet Rgr$	$150mg + 4.5 \times 10^{-4} \bullet Rgr$
Minimum weight (according to USP), fine range [1]	typ.	–	$75mg + 1.5 \times 10^{-4} \bullet Rgr$	–
Minimum weight (@ U=1%, 2 sd) [1]	typ.	$3mg + 1.6 \times 10^{-5} \bullet Rgr$	$8mg + 2.4 \times 10^{-5} \bullet Rgr$	$10mg + 3 \times 10^{-5} \bullet Rgr$
Minimum weight (@ U=1%, 2 sd) fine range [1]	typ.	–	$5mg + 1 \times 10^{-5} \bullet Rgr$	–
Dynamics				
Settling time	typ.	3s	2s	2s
Settling time fine range	typ.	–	3s	–
Interface update rate	max.	23/s	23/s	23/s
Interface update rate "FastHost"-mode	max.	92/s	92/s	92/s

Rgr = Gross weight; Rnt = Net weight (of sample); sd = Standard deviation; a = Year (annum); [1] Temperature range 10 ... 30 °C; [2] Stability of sensitivity as from first installation with FACT

General Specifications

General data	
Degree of protection	Weigh module in use: IP30
	Weigh module with plastic cover: IP45 (wash-down configuration)
	Electronic unit: IP40
	Terminal SWT und PWT: IP54
Weight of weigh module with standard pan	3.415kg (nom.)
Materials	
Housing of weigh module	Stainless steel X2CrNiMo17-12 (1.4404 resp. 316L), white, powder-coated
Housing of electronic unit	Stainless steel X2CrNiMo17-12 (1.4404 resp. 316L), white, powder-coated
Housing of terminal	Coated die-cast zinc and plastic
Standard weighing pan	Stainless steel X2CrNiMo-17-13-2 and plastic
Power supply	
External power supply:	11107909, HEG 42-120200-7; Primary: 100-240V, -15%/+10%, 50/60Hz, 0.5A; Secondary: 12VDC +/-3%, 2A (electronically protected from overload)
Cable for power supply	Three-prong with country-specific plug
Power feed-in at electronic unit	12 VDC +/-3%, 5W, max. ripple: 80mVpp. Operate only with a certified power supply with a limited SELV circuit output. Pay special attention to polarity.
Ambient conditions	
Height above sea level	to 4000m
Ambient temperature	5-40 °C
Relative humidity	Max. 80% at 31°C, decreasing lineraly to 50% at 40 °C, non-condensing
Warm-up time	At least 60 minutes after the weigh module has been connected to the power supply; the weigh module can be used immediately if it is turned on from standby mode.

Dimensions WXT (mm)
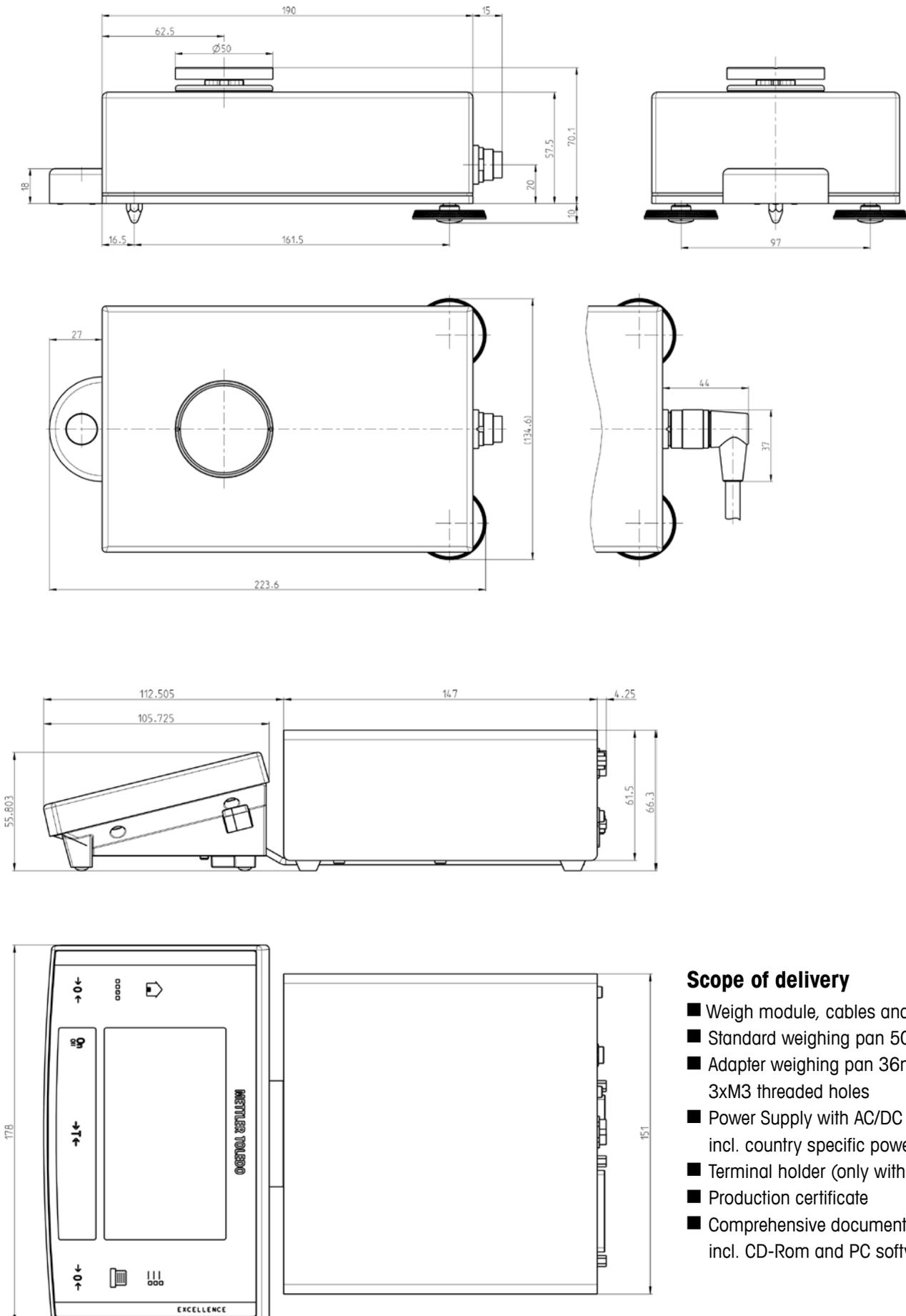
Scope of delivery

- Weigh module, cables and terminal
- Standard weighing pan 50mm
- Adapter weighing pan 36mm with 3xM3 threaded holes
- Power Supply with AC/DC adapter, incl. country specific power cable
- Terminal holder (only with WXTS)
- Production certificate
- Comprehensive documentation, incl. CD-Rom and PC software

Typical Configuration
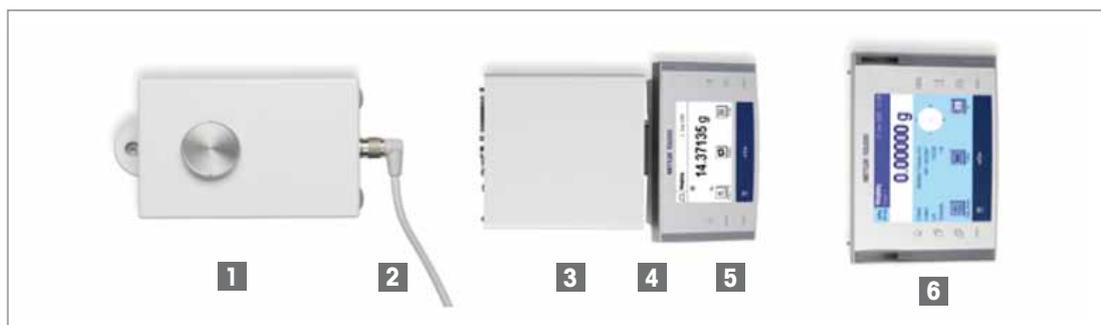
Pos	Item	Description	Item number
1	Load Cell	WXT	
2	WX Cable 90/0.5	0.5m; right angle connector <–> 25 pin D-sub (incl. in delivery)	11 121 422
	WX Cable 90/1.5	1.5m, right angle connector <–> 25 pin D-sub (accessory)	11 121 440
	WX Cable 90/5	5m, right angle connector <–> 25 pin D-sub (accessory)	11 121 441
3	Electronic Unit	White coated housing / integrated RS232 interface (incl. in delivery)	
4	Cable Terminal	0.575m (incl. in delivery)	11 132 124
	Cable Terminal	0.945m (accessory)	11 132 129
	Cable Terminal	2m (accesssory)	11 132 133
5	Terminal SWT	Monochrome touch screen display (incl. in WXTS delivery)	11 121 057
6	Terminal PWT	Color touch screen display, multi-user functionalities (incl. in WXTP delivery)	11 121 058

Accessories

Pipette calibration set with
evaporation trap
11 138 010

Flexible glass draft shield with
sliding door
11 121 071

Second RS232C   11 132 500
Ethernet   11 132 515
Other interface options also available

Weighing below adapter
11 121 081

Order Information

WXT Model	205		205DU		204	
	Standard	SI units*	Standard	SI units*	Standard	SI units*
Monochrome Terminal SWT	WXTS205 11 121 011	WXTS205SV 11 121 311	WXTS205DU 11 121 016	WXTS205SDUV 11 121 316	WXTS204 11 121 026	WXTS204V 11 121 326
Color Terminal PWT	WXTP205 11 121 012	WXTP205V 11 121 312	WXTS205DU 11 121 017	WXTS205DUV 11 121 317	WXTP204 11 121 027	WXTP204V 11 121 327
"EU" legal-for-trade version With SWT Terminal.	WXTS205/M 11 121 271		WXTS205DU/M 11 121 276		WXTS204/M 11 121 286	
"Non-EU" legal-for-trade version With SWT Terminal.	WXTS205/A 11 121 361		WXTS205DU/A 11 121 366		WXTS204/A 11 121 376	

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

ISO 9001 registered   ISO 14001 registered

www.mt.com

For more information