

NewClassic Balances

MS-S / MS-L Models

Easy Weighing Access

WEIGHING
Press and hold → 0.00 g
Activate weighing application
• Cancel running application

Tare
→0/T← Press briefly → 0.00 g
121.01 g
0.00 g Net

Switching Units
Press briefly → 22.00 g Unit 1
* 22.00 M Recall
0.78 oz Unit 2
• if activated
• if different from Unit 1

Quick Application Access

F1 Press and hold → **COUNTING**
Execute the assigned F1 application.
Factory setting: "Piece Counting"

F2 Press and hold → **PERCENT**
Execute the assigned F2 application.
Factory setting: "Percent Weighing"

F3 Press and hold → **CHECK**
Execute the assigned F3 application.
Factory setting: "Checkweighing"

Application Settings
Note:
There is a **timeout** during the setup. The balance switches back to the **last active** application.

Direct Adjustment Access

Execute predefined adjusting (calibration) procedure
Factory Setting: Internal adjustment (MSxxxE models: external adjustment)

External Adjustment Procedure
Press briefly → **ADJ**
1000.00 g
0.00 g
ADJ DONE
0.00 g

Operation Keys

METTLER TOLEDO

Net 820.65 g

1 2 3 4 5 6 7 8 9 10

No.	Key	Press briefly (less than 1.5 s)	Press and hold (longer than 1.5 s)
1	[Resolution Icon]	To change display resolution (1/10d function) while application is running Note: not available with approved models in selected countries	no function
2	[Menu Icon]	Enter or leave menu (Parameter settings)	no function
3	[Calibration Icon]	Execute predefined adjusting (calibration) procedure	no function
4	[Printout Icon]	Printout display value Printout menu settings Transmit data	no function
5	[Back Arrow]	To navigate back (scroll up) within menu topics or menu selections Decrease (numerical) parameters within menu and in applications	To select the weighing application Decrease (numerical) parameters quickly within menu and in applications
6	[F1]	To navigate forward (scroll down) within menu topics or menu selections Increase (numerical) parameters within menu and in applications	To select assigned F1 application and entering the parameter settings of application. Default F1 application assignment: Piece counting Increase (numerical) parameters quickly within menu and in applications
7	[F2]	With entries: scroll down To navigate through menu topics or menu selections To toggle between unit 1, recall value (if selected), unit 2 (if different from unit 1) and the application unit (if any)	To select assigned F2 application and entering the parameter settings of application. Default F2 application assignment: Percent weighing
8	[F3]	To enter or leave menu selection (from / to menu topic) To enter application parameter or switch to next parameter To store parameter	To select assigned F3 application and entering the parameter settings of application. Default F3 application assignment: Checkweighing
9	ON/OFF →0/T←	Switch on Zero/Tare	Switch off
10	C	Cancel and to leave menu without saving (one step back in the menu).	no function

Display Panel

Application Icons Status Icons

Weight Value Field

Unit Field

Weighing-in aid Status Icons

Application Icons		Status Icons	
[Lock Icon]	Menu locked	M	Indicates stored values (memory)
[Gear Icon]	Menu settings activated	Net	Indicates Net weight values
[Weighing Icon]	Application "Weighing"	[Calibration Icon]	Adjustments (calibration) started
[Counting Icon]	Application "Piece counting"	FACT	FACT activated
[Percent Icon]	Application "Percent weighing"	[Diagnostic Icon]	Diagnostic mode & Application "Routine test" activated
[Checkweighing Icon]	Application "Check weighing"	[Service Icon]	Service reminder
[Statistics Icon]	Application "Statistics"	[Acoustic Icon]	Acoustic feedback for pressed keys activated
[Formulation Icon]	Application "Formulation / Net-Total"	W1	Weighing range 1 (Dual Range models only)
[Totaling Icon]	Application "Totaling"	W2	Weighing range 2 (Dual Range models only)
[Dynamic Icon]	Application "Dynamic weighing"	[Battery Icon]	Charge of battery: full, 2/3, 1/3, discharged (Battery operated models only)
[Factor Icon]	Application "Multiplication factor"		
[Division Icon]	Application "Division factor"		
[Density Icon]	Application "Density"		

Weight Value Field	
[Minus Sign]	Indicates negative values
[Stable Icon]	Indicates unstable values
[Asterisk]	Indicates calculated values
[Uncertified Icon]	Indicates uncertified digits (approved models only)

Weighing-in aid	
[Target Icon]	Marking of nominal or target weight
[T+ Icon]	Marking of tolerance limit T+
[T- Icon]	Marking of tolerance limit T-

Unit Field	
[Unit Icon]	Marking of weighing units:
g	gram
kg	kilogram
mg	milligram
ct	carat
lb	pound
oz	ounce
ozt	troy ounce
GN	grain
dwt	pennyweight
mom	momme
msg	mesghal
t1h	Hong Kong toels
t1s	Singapore toels
t1t	Taiwan toels
tola	tola
baht	baht
>>	Selection available

Menu Map

Menu Operation

- Enter menu
- Leave menu with saving

Scroll down

Scroll up

- Enter selection or menu
- Execute setting

- One step back
- Leave menu without saving

Main Menu

- BASIC** >> Basic Menu
- ADVANCE** >> Advanced Menu
- INT.FACE** >> Interface Menu
- PROTECT** >> Protection

Basic Menu

Topic	Selection
DATE >>	01.01.2008
TIME >>	+ 1H
	- 1H
	SET TIME >> 12:00
UNIT 1 >>	g
	kg
UNIT 2 >>	g
	mg
	NO
KEY BEEP >>	MED
	HIGH
	OFF
	LOW
STR.BEEP >>	LOW
	MED
	HIGH
	OFF
RESET >>	NO?
	YES?

Advanced Menu

Topic	Selection
WEIG.MODE >>	UNIVERS.
	DOSING
ENVIRON. >>	STANDARD
	UNSTABLE
	STABLE
CAL >>	ADJ.INT
	ADJ.ECT >> 200.00 g
	ADJ.OFF
ADJUST.F >>	EXECUTE
	RESET >> NO?
	YES?
FACT >>	TIME >> 12:00
	OFF
FACT.PRT >>	ON
	OFF

Legend

- Factory setting
- Only those weight units allowed by the appropriate national legislation are selectable.
- Not available with MSxxx models.
- Not available with MSxxxKLIPE models.
- Not available with approved models.
- Not available with approved models (except OIML accuracy class I approved models)
- Settings are automatically set for the 2nd display.

Software version V2.20

Topic	Selection
DATE.FORM >>	DD.MM.Y
	MM/DD/Y
	Y-MM-DD
	DD.MM.Y
	MM/DD/Y
TIME.FORM >>	24.MM
	12.MM
	24.MM
	12.MM
RECALL >>	OFF
	ON
SHUTOFF >>	A.OFF 10 min
	A.OFF -
	A.OFF 2 min
	A.OFF 5 min
BACKLIGHT >>	B.L. ON
	B.L. 30 s
	B.L. 1 min
	B.L. 2 min
	B.L. 5 min
DISPLAY >>	BRIGHTN. >> 50 %
	CONTRAST >> 75 %
AUTOZERO >>	ON
	OFF
ZERO RING >>	21.00 g
LANGUAGE >>	ENGLISH
	DEUTSCH
	FRANCAIS
	ESPAÑOL
	ITALIANO
	RUSSIAN
	POLSKI
	ČESKY
	MAGYAR
	NEDERL.
	BR.PORUG.
ASSIGN.F1 >>	COUNTING
	PERCENT
	CHECK
	STAT
	FORMULA
	TOTALING
	DYNAMIC
	FACTOR M
	FACTOR D
	DENSITY
ASSIGN.F2 >>	PERCENT
	CHECK
	COUNTING
ASSIGN.F3 >>	CHECK
	COUNTING
	PERCENT
DIAGNOSE >>	REPERT.
	DISPLAY
	KEYPAD T
	CAL.MOT. T
	BAL.HIST
	CAL.HIST
	BAL.INFO
	PROVIDER
SERV.CON >>	ON
	OFF
SERV.PRT >>	NO?
	YES?

Interface Menu

Topic	Selection
RS232 >>	PRINTER >>
	PC-IR >>
	HOST >>
	2-DISPLAY
HEADER >>	NO
	DAT.TIM
	D.T.BAL
SINGLE >>	NET
	G/T/N
SIGNAL >>	OFF
	ON
LINE.FEE >>	0
ZERO.PRT >>	OFF
	ON
COMSET >>	MT-SICS
	MT-PM
	SART
AUDRATE >>	9600
	4800
D.T.PAR >>	8/NO
	7/NO
	7/SPACE
	7/EVEN
	7/ODD
STOPBIT >>	1 BIT
	2 BITS
H.D.SHAKE >>	ON/OFF
	RTS/CTS
	OFF
RS.TX.EOL >>	(CR)(LF)
	(CR)
	(LF)
	(TAB)
RS.CHAR >>	IBM.DOS
	ANSI.WIN
USB >>	PC-IR >>
	HOST >>
	MT-SICS
	MT-PM
	SART
USB.EOL >>	(CR)(LF)
	(CR)
	(LF)
	(TAB)
USB.CHAR >>	ANSI.WIN
	IBM.DOS
INTERVAL >>	0 s

Protection

Topic	Selection
PROTECT >>	OFF
	ON

www.mt.com/newclassic

For more information

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Subject to technical changes
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