

# NewClassic Balances MS-S / MS-L Models

## Easy Weighing Access

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

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

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

## Quick Application Access

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

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

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

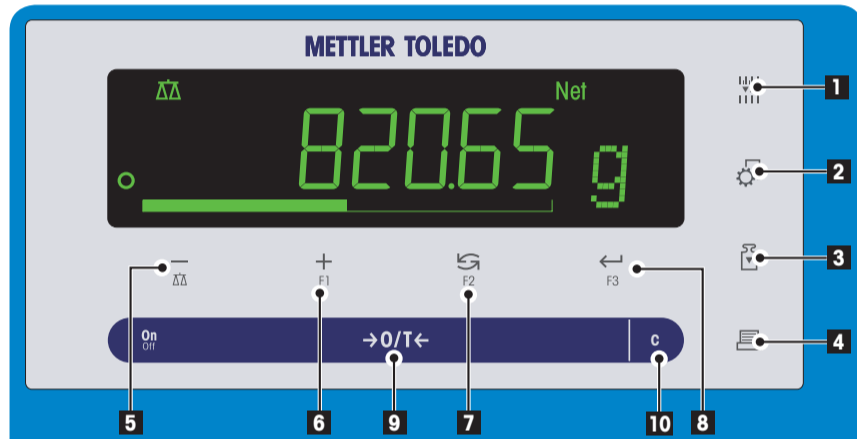
**Application Settings**  
**Note:** There is a **timeout** during the setup. The balance switches back to the **last active** application.

## Direct Adjustment Access

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

**External Adjustment Procedure**  
Press briefly  
ADJ:ENT  
1000.00 g  
0.00 g  
ADJ DONE  
0.00 g

## Operation Keys



### Key Functions

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 <b>Note:</b> not available with approved models in selected countries	no function
2	[Settings 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	[Up 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	
[Lock Icon]	Menu locked	M	Indicates stored values (memory)
[Gear Icon]	Menu settings activated	Net	Indicates Net weight values
[Scales Icon]	Application "Weighing"	[Calibration Icon]	Adjustments (calibration) started
[Dots Icon]	Application "Piece counting"	FACT	FACT activated
[Percentage Icon]	Application "Percent weighing"	[Diagnostic Icon]	Diagnostic mode & Application "Routine test" activated
[Checkweighing Icon]	Application "Check weighing"	[Wrench Icon]	Service reminder
[Bar Chart Icon]	Application "Statistics"	[Speaker Icon]	Acoustic feedback for pressed keys activated
[Formulation Icon]	Application "Formulation / Net-Total"	W1	Weighing range 1 (Dual Range models only)
[Summation Icon]	Application "Totalling"	W2	Weighing range 2 (Dual Range models only)
[Dynamic Weighing Icon]	Application "Dynamic weighing"	[Battery Icon]	Charge of battery; full, 2/3, 1/3, discharged (Battery operated models only)
[F x Icon]	Application "Multiplication factor"		
[F ÷ Icon]	Application "Division factor"		
[Density Icon]	Application "Density"		

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

Unit Field	
[Grid 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
tlh	Hong Kong taels
tlh	Singapore taels
tit	Taiwan taels
tola	tola
baht	baht
>>	Selection available

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

# 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

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
STAB.BEEP >>	LOW
	MED
	HIGH
	OFF
RESET >>	NO?
	YES?

### Advanced Menu

ENVIRON >>	STANDARD
	UNSTABLE
	STABLE
CRJ >>	ADJ.INT
	ADJ.EFT >> 200.00 g
	ADJ.OFF
FACT >>	TIME >> 12:00
	OFF
FACT.PRT >>	ON
	OFF
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
STARTUP >>	QUICK
	FULL
SHUT.OFF >>	ROFF 10 min
	ROFF -
	ROFF 2 min
	ROFF 5 min

BACKLIGHT >>	3.L. ON
	3.L. 30 s
	3.L. 1 min
	3.L. 2 min
	3.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
	NEJDEL.
	BR.PORUG.
ASSIGN:F1 >>	COUNTING
	PERCENT
	CHECK
	STAT
	FORMULA
	TOTALING
	DYNAMIC
	FACTOR M
	FACTOR D
	DENSITY
ASSIGN:F2 >>	PERCENT
	CHECK
	STAT
	FORMULA
	TOTALING
	DYNAMIC
	FACTOR M
	FACTOR D
	DENSITY
ASSIGN:F3 >>	CHECK
	STAT
	FORMULA
	TOTALING
	DYNAMIC
	FACTOR M
	FACTOR D
	DENSITY
DIAGNOSE >>	REPERT.
	DISPLAY
	KEYPAD T.
	CAL.MDT. T.
	3AL.HIST
	CAL.HIST
	3AL.INFO
	PROVIDER
SERV.ICON >>	ON
	OFF
SERV.RST >>	NO?
	YES?

Depending on the language package installed.

**Legend**

- Factory setting
- Only those weight units allowed by the appropriate national legislation are selectable.
- Not available with MSxxxE models.
- Not available with MSxxxKLIPE models.

### Interface Menu

RS232 >>	PRINTER >>	PRT.STAB
		PRT.AUTO
		PRT.ALL
	PC-IR >>	PRT.STAB
		PRT.AUTO
		PRT.ALL
	HOST >>	SEND.OFF
		SEND.STB
		SEND.CONT
		SEND.AUTO
		SEND.ALL
		2.DISPLAY
HEADER >>		NO
		DAT.TIM
		DAT.BAL
SINGLE >>		NET
		G/TIN
SIGNAL >>		OFF
		ON
LINEFEED >>		0
ZERO.PRT >>		OFF
		ON
COMSET >>		MT-SICS
		MT-PM
		SART
BAUDRATE >>		9600
		4800
BIT.PAR >>		8/NO
		7/NO
		7/MARK
		7/SPACE
		7/EVEN
		7/ODD
STOPBIT >>		1 BIT
		2 BITS
HD.SHAKE >>		%ON/%OFF
		RTS/CTS
		OFF
RS.E.O.L. >>		(CR):LF
		(CR)
		(LF)
RS.CHAR >>		IBM/DOS
		ANSI/WIN
USB >>		SEND.OFF
		SEND.STB
		SEND.CONT
		SEND.AUTO
		SEND.ALL
USB.COMS >>		MT-SICS
		MT-PM
		SART
USB.E.O.L. >>		(CR):LF
		(CR)
		(LF)
USB.CHAR >>		ANSI/WIN
		IBM/DOS
INTERVAL >>		0 s

### Protection

PROTECT >>	OFF
	ON

- 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.

[www.mt.com/newclassic](http://www.mt.com/newclassic)

For more information

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