Short form operating instruction
PR/SR-balances

For detailled information see operating instructions

METTLER TOLEDO

Key definition

	Weighing mode			Menu	
Press briefly	**Press and hold**	**Key**	**Press briefly**	**Press and hold**
• Switch on balance • Taring • With entries: cancel entry	• **Switch off balance**	**On** Off → T ← C	• Quit menu without saving settings	• **Quit menu without saving settings, switch off balance**
• Zero setting (Re-zero)	• **Adjustment or initiating test**	→ 0 ← Cal / Test	• No function	• **No function**
• No function	• **Suppress or call up last decimal place**	**1/10d**	• No function	• **No function**
• Confirm entry and return to weight display	• **Confirm entry and return to weight display**	↵	• Confirm entry and return to last weight display	• **Confirm entry and return to last weight display**
• Print out displayed value	• **Enter menu**	Menu	• Confirm entry and return to start of menu	• **Save menu settings and return to weighing mode**

Display

Surroundings ("Vibrations")

- ∼ Low
- ∼ **Medium**
- ∼ High

Type of weighing ("WghProcess")

- ▪ Check
- ▪ **Universal**
- ▪ Fill
- ▪▪▪ Dynamic weighing
- Adapt OFF

Repeatability ("ReproSet")

- ◡ Standard
- ◡ **Good**
- ◠ Excellent
- • Best
- OFF

* signifies displays which do not correspond to the weight currently loaded, e.g. difference to target weight
○ stability detector; fades when the weight display is stable

AutoCal [1]	Automatic adjustment or test necessary
Cal [1]	External adjustment or test necessary
G	Display of gross weight
PT	Display of preset tare weight
T	Display of tare weight
Net	Display of net weight
T Net	Display of the net total weight

[1] in Display flashes

Menu

MENU
Section 6

Password (when set)

APPL Section 6.1
- None — Simple weighing
- Dynamic — Dynamic weighing
- Count — Piece counting
- Tot — Totalization
- +/-Stats — Statistics ± Weighing
- Formula — Formulation

WEIGH Section 6.2
- Vibr — Surroundings
- Process — Type of weighing
- Repro — Repeatability
- Unit 1 — Weight unit 1
- Unit 2 — Weight unit 2
- CustomUnit — Custom unit
- AutoZero — Automatic zero correction
- PreTare — Tare function

CAL Section 6.3
- Test — Configuration Test of balance precision
  - Internal — Internal weight
  - External — External weight
- Calibration — Configuration: adjustment
  - proFACT — Fully automatic and/or time controlled adjustment (internal weight)
  - CalInt — Manual adjustment with internal weight
  - VariCal — Adjustment with external weight
  - History — History of the last 50 adjustments

SYSTEM Section 6.4
- Settings — Present settings …
  - Reset
  - Factory Setting
  - PrintList
  - Print list
- Printout — Config. printout
  - Weight Transfer
    - •Manual
    - •Auto
    - •AutoNoZeros
- Beep — Acoustic signal
- Date — Date entry
- Time — Time entry
- Bal ID — Balance identification entry
  - Header — Header printout
    - •Date
    - •Time
    - •Balance ID
    - •Lot ID
    - Sample ID
- Icons — Symbols off/on
- StartUp — Start Up procedure
- PassWord — Menu entry Password protection

LANGUAGE Section 6.5
- English
- Deutsch
- Français
- Español
- Italiano
- Russian
- Nihongo

Dynamic weighing　　　　　　　　　Section 5.1

Section 6.1.2　　configured :　⬚→▾(Menu)　APPL　Dynamic　…..　⬚→▾(Menu)

Duration of the dynamic weighing selectable

WeighTime

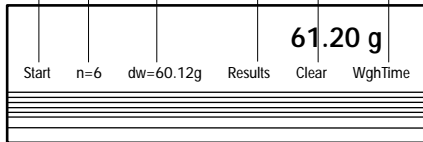| 1	2	3	5	10	20
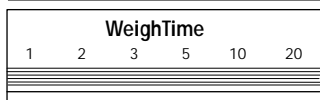
Set item counter and previous results to zero
Set result output
Result of the last dynamic weighing
Item counter
Manual start
(of dyn. weighing)

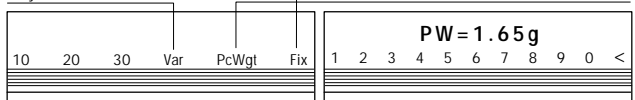**61.20 g**

Start	n=6	dw=60.12g	Results	Clear	WghTime

Piece counting weighing　　　　　Section 5.2

Section 6.1.3　　configured :　⬚→▾(Menu)　APPL　Count　…..　⬚→▾(Menu)

Definition of the fixed reference key
Entry of reference number
Entry inquiry of piece weight

P W = 1 . 6 5 g

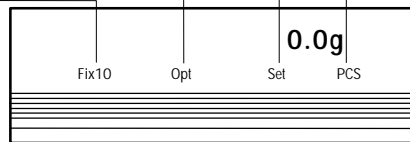| 10	20	30	Var	PcWgt	Fix		1	2	3	4	5	6	7	8	9	0	<

Setting of reference number, or entry inquiry of the piece weight

optimization of counting accuracy
Calculation of piece weight
out of 10 pieces

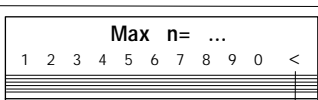Switching between pieces (pcs)
and weight (g)

0.0g

Fix10	Opt	Set	PCS

Totalizing　　　　　　　　　　　　Section 5.3

Section 6.1.4　　configured :　⬚→▾(Menu)　APPL　Tot　…..　⬚→▾(Menu)

Item counter

Max n= …

1	2	3	4	5	6	7	8	9	0	<

Edit function

Transfer of weight value

Current total of weight values

61.20　g

M+	n=6	Σ=879.60g	M-	Clear
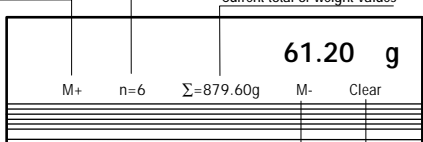
Correction key
Set item counter and results to zero

+/- Statistic　　　　　　　　　　　Section 5.4

Section 6.1.5　　configured :　⬚→▾(Menu)　APPL　+/-Weigh　…..　⬚→▾(Menu)

Number of tolerance violations
Max. value number and tolerance violations
Mean value
Standard deviation
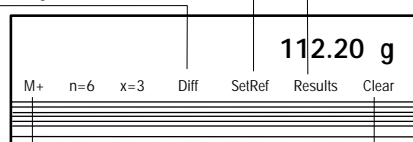Relative standard deviation
Minimum weight value
Max. weight value
Sum

Nominal weight
minus tolerance
plus tolerance

0.00　g

Nom	-Tol	+Tol		<T-	>T+	mean	Sdev	Srel	min	max	sum
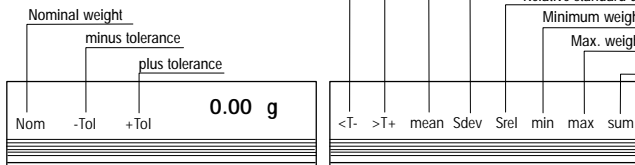
Setting of Reference values Nom -Tol +Tol
Selection and (Diff) of one of the 8 results

Display: Difference to target weight
or absolute weight (Abs)

112.20　g

M+	n=6	x=3	Diff	SetRef	Results	Clear

Transfer of weight value
Set item counter and results to zero

Formulation weighing　　　　　　Section 5.5

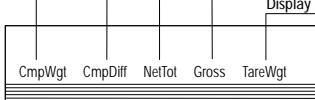Section 6.1.6　　configured :　⬚→▾(Menu)　APPL　Formula　⬚→▾(Menu)

Display of current component weight
Display of difference between target and actual component weight (*)
Display of total net weight of all
components transferred so far
Display of total weight on the balance "gross" (G)
Display of tare (container) weight (T)

CmpWgt	CmpDiff	NetTot	Gross	TareWgt

Selection of 1 of the 5 results

Entry of target weight
Entry of identification number

NextComp

Weight	SampleID

Item counter
Weight transfer
(Current Component weight)

Entry of target weight and identification

112.76 g

M+	n=1	Results	Comp.	Clear
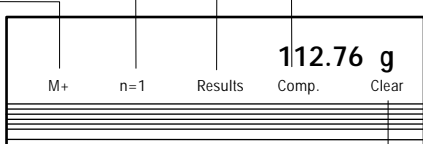
Item counter and
results set to zero

Extended basic functions　　　　Section 4

Settings:

⬚→▾(Menu)　　System　　PrintOut　　Header　　…..　⬚→▾(Menu)
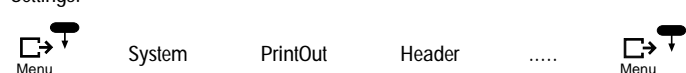
These functions can be configured additionaly to all other applications

- Section 4.1　　Header　　(Date, Time, Bal ID)
- Section 4.2　　LotID　　(Alphanumeric series identification)
- Section 4.3　　SampleID　　(Sample identification)
- Section 4.4　　PreTare　　(Entering a fixed tare weight)