ID1 Plus and ID1 Plus-A Compact Terminals. Rapid weighing-in with LED analog display.

- **Dependable checking and classifying with colored indicator fields**
- **Formula weighing, totalization and counting at a keystroke**
- **Rugged, high-quality construction for industrial use**

METTLER TOLEDO MultiRange is versatile industrial precision.
With accuracy matched to the weighing task and size of the load. The basis of this dependable precision are the measurement principles: the electromagnetic force compensation, the frequency-modulated force measurement or the strain-gauge force sensor.

Within the extensive product range of the METTLER TOLEDO MultiRange precision scales with weighing ranges spanning 0.1 g to 6000 kg, you will find exactly the right solution to your weighing tasks.

ID1 Plus Compact Terminal
The green digital display can be read rapidly free from errors. Additional dependability and time saving during weighing-in thanks to the analog LED display. In checkweighings and in classifying, three colors signal clearly and quickly whether your weighing sample lies within the preselected tolerances.

The unerring precision of the ID1 Plus is packaged in rugged chrome-nickel steel. To enable you to clean the terminal thoroughly and also meet the most exacting demands regarding hygiene. Retrofittable interfaces allow data and signal interchange with external devices.

In combination with the FAA6, FA15 or FBB30 Weighing Platforms and the stand, the ID1 Plus forms an **ergonomically operable compact scale.**

METTLER TOLEDO

Main features

Construction	Ergonomically operable angled desktop.
Main display	High-intensity, 7-segment fluorescent display, green, 7 places, digit height 12.5 mm, with integrated unit characters and status symbols for display of the operating mode.
Analog display	High-intensity, 3-color LED line. For weighing-in, checking and classifying. Dynamic display as a luminescent band or dot, static display as 3-color indicator field.
Display window	Scratch resistant safety glass or plastic.
Keypad	Tactile membrane keypad made of resistant industrial plastic, 4 function keys, scratch-resistant symbol inscription, with audio acknowledgement, key spacing 30 mm.
Housing	Chrome-nickel steel DIN X5 CrNi1810 throughout.
Type of protection	Protection against dust and water in compliance with IP65 (IEC529).
Power supply connection	115/230V, +10% −15%, 50/60Hz.
Power cable	With grounding pin plug, length approx. 2.5 m.
Power consumption	Approx. 25 VA.
Admissible operating temperature	−10°C to +40°C for certification class III. 0°C to +40°C for certification class II.

Weighing functions

Taring	At a keystroke or automatic (selectable), by subtraction up to maximum load. With MultiRange weighing platforms, after taring the range with the highest resolution is available at the new zero point in weighing-in and subtractive weighing.
Gross select	Display of the gross weight at a keystroke.
Zero set	Automatic or manual.
Unit select	Following weight units selectable at a keystroke: kg, g, lb, oz, ozt, dwt.
Dynamic weighing	For unstable weighing samples, e.g. animal weighing. Cycle time with choice of 3 settings. Automatic data transfer via interface (option).
Stability detector	Choice of 4 settings, with movement indicator.
Weighing process adapter	Matches the scale to the weighing sample and weighing operation, adapter choice of 3 settings.
Vibration adapter	Matches the scale to the instability of the surroundings, choice of 3 settings.
Tare indicator	Lights up when tare weight stored.
Test key	For display of the identification code (certification seal) and in the case of K weighing platforms for checking the measurement accuracy (internal self-calibration).
Control mode	For display of the weight value with enhanced resolution.
Restart function	Fail-safe storage of zero and tare (dependent on certification regulations).

Plus/minus weighing

Weighing-in	Filling to a preset target weight. Entry of target weight, tol.(+), tol.(−) and start point of scale. Digital display shows either actual weight, difference between actual and target weight or actual weight in %. LED analog display shows actual weight either as a luminescent band or dot with a 3-color tolerance comparison display: red = too little, green = good, yellow = too much.
Checking	Check on whether actual weight is within the tolerances for target weight. Entry of target weight, tol.(+), tol.(−) and zero limit. Digital display shows either actual weight, difference between actual and target weight or actual weight in %. LED analog display shows checking result as a 3-color indicator field: red = too little, green = good, yellow = too much (either with or without stability detector).
Classifying	Test objects are sorted into different weight classes. Entry of limit 1, limit 2 and zero limit. Digital display shows actual value with class number. LED analog display shows classification result as a 3-color indicator field: red = class 1, green = class 2, yellow = class 3.
Data input/output	Data and signal interchange with external devices via retrofittable interfaces (option).
Fixed-value memories	25 fail-safe memories for target values and tolerances.

Counting functions

Piece counting	Continuously updated display, maximum 7 places.
Reference weight	Either with 10 parts (preferred reference) or selectable from 1, 2, 3, 4, 5, 10, 12, 15, 20, 25, 30, 40, 50 or 100 parts.
Counting start	At a keystroke with the possibility to switch to the current weight at any time.

Formula weighing functions

Formula weighing	Switch to running net total sum and the component counter at a keystroke.
Totalization memory	Capacity up to 7 places.
Component counter	Up to 9999.

Totalization functions

Totalization	Switch to running gross or net total and the item counter at a keystroke.
Totalization memory	Capacity up to 7 digits.
Item counter	Up to 9999.

Technical data – Attachment for analog scales

General data

No. of scale connections	1
Type of connection	Internal terminal connection

Attachable METTLER TOLEDO scales

MultiRange strain gauge weighing platforms	Types D…T, N…T, SPIDER, Strain gauge load mounts RWM

Attachable third-party scales

No. of weighing cells	1-4 (350 Ω cells)
	1-8 (1000 Ω cells)
Sensitivity	0.4 … 3 mV/V
Platform resistance	≥ 87.5 Ω

A/D converter

Max. resolution, verifiable	7500 e
Max. resolution, actual	75000 d
Strain gauge supply voltage	8.75 V
Limit value	1.17 µV/e
Max. line length	100 m
Stabilization time	typ. ≥ 0.6 s
Measured value update, adjustable	max. 16/s

Options

Interface 101*	Retrofittable plugin interface. CL 20 mA serial data interface bidirectional, 7-pin socket.	Order No. 505237
Accessories CL 20 mA	CL cable, 3 m	Order No. 503749
	General purpose cable, 3 m	Order No. 503743
	LX80/FX85 cable, 3 m	Order No. 500410
	Male connector, 7-pin	Order No. 503745
Interface 102*	Retrofittable plugin interface. RS232C serial data interface bidirectional, 8-pin socket.	Order No. 505238
Accessories RS232C	RS232 cable/DTE, 3 m	Order No. 503754
	RS232 cable/PC, 3 m	Order No. 504374
	RS232 cable/DCE, 3 m	Order No. 503755
	RS232 cable/9-pin, 3 m	Order No. 504376
	Male connector, 8-pin	Order No. 503756
Interface 103	Retrofittable plugin interface. Parallel interface for signal input and output, 19-pin socket.	Order No. 505239
Accessories parallel I/O	GD14 Relay Interface, for signal amplification	Order No. 504371
	GD14 connection cable, 10 m	Order No. 504458
	Male connector, 19-pin	Order No. 504461
Interface 104*	Retrofittable plugin interface. Serial interface RS422/RS485, bidirectional, 6-pin socket.	Order No. 506847
Accessory RS422/485	Cable with 6-pin connector and open end, 3 m	Order No. 204933
	Male connector, 6-pin	Order No. 204866

* max. 1 serial interface

Delivery information

Compact Terminals

ID1 Plus	**Order No. 505224**
ID1 Plus-A	**Order No. 507007**
Packaging	Carton approx. 360 x 260 x 220 mm
Weight	Gross approx. 3.5 kg, Net approx. 2.8 kg
Documentation supplied	Operating instructions

Compact scales

ID1 Plus Compact Terminals with stand and FAA6s, FA15s or FBB30s Weighing Platform.
See specifications bulletin of weighing platforms for technical data.

Compact Scale ID1 Plus-6	**Order No. 505234**
Compact Scale ID1 Plus-15	**Order No. 505235**
Compact Scale ID1 Plus-30	**Order No. 505236**

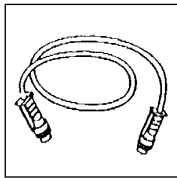**ISO 9001** certified

Quality certificate
Development, production and testing following ISO 9001 (SQS/DQS certificate).
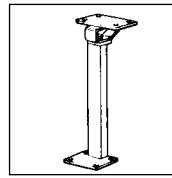
CE

«Conformité Européenne»
The CE mark provides you with the assurance that our products comply with the applicable EU directives.
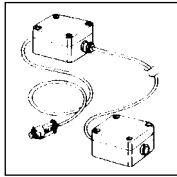
Accessories

Extension cable for ID1 Plus
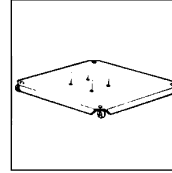Order No. 504134,
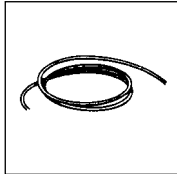length 10 m, connector both ends

Cable adapter kit for ID1 Plus
Order No. 504133, comprising two junction boxes, for extending connection cable up to 100 m. Box at terminal end with connection cable of length 2.5 m.
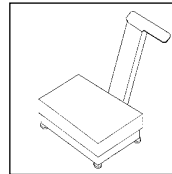
Special cable from reel for ID1 Plus
Order No. 504177
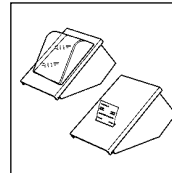Used in combination with the cable adapter kit to extend the connection cable.

Analog cable for ID1 Plus
both ends open
length 5 m   Order No. 204554
length 10 m   Order No. 204555
length 20 m   Order No. 209315

Wall bracket
For mounting the ID1 Plus Terminal on the wall. Complete with fixing screws.
– Plastic-coated, black   Order No. 504129
– Chrome-nickel steel   Order No. 504130

Floor stand
For free-standing ID1 Plus Terminal.
Incl. fastenings for bolting to the floor.
– Plastic-coated, black   Order No. 504131
– Chrome-nickel steel   Order No. 504132

Stand base
Makes floor stand mobile.
– Plastic-coated, black   Order No. 503700
– Chrome-nickel steel   Order No. 503701

Scale stand
For attachment of the ID1 Plus Terminal to the FAA6s, FA15s or FBB30s Weighing Platform.
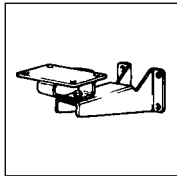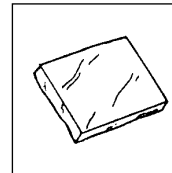– All stainless steel   Order No. 505240

Strip printers
Thermal printers with desk-top housing made of chrome-nickel steel.
– GA46   Order No. 505471
– GA46-W   Order No. 505799

Printer-terminal adapter
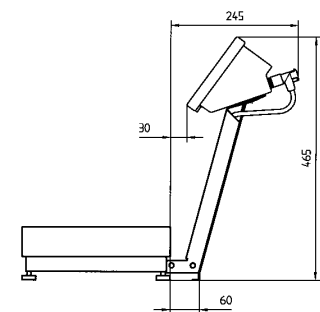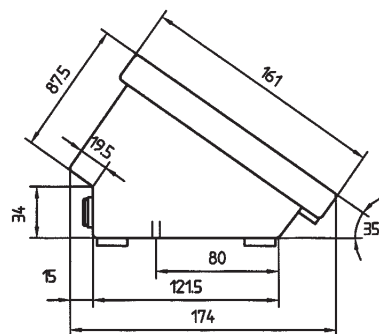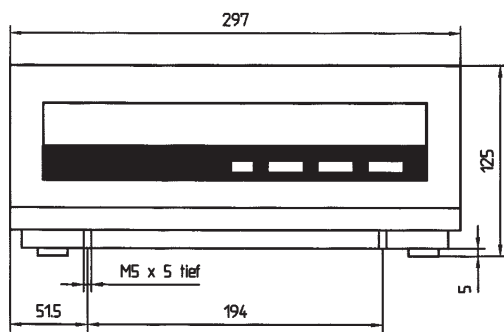for fastening the GA46 to the terminal.
Order No. 208264

instrument cover
Transparent PVC
Set of 3   Order No. 505319

Sales and service: