IND231 and IND236 Terminal

Basic Weighing

Checkweighing

Counting

Animal Weighing

Weight Accumulation

Cost-Effective Weighing Terminals

Performance Without Compromise

METTLER TOLEDO

Rugged, Operator-Friendly Weighing Terminals
Provide a Reliable Solution

- **Large LCD display with backlight provides good readability under varying light conditions**
- **Rugged stainless steel IP66/67 or styled polymer housing fulfill requirements for a variety of factory environments**
- **A long-life battery option creates a versatile mobile weighing solution**
- **Included application-specific software provides out-of-the-box functionality for multiple weighing applications**

IND231 terminal with plastic housing (IP54)

IND236 terminal with rugged stainless steel housing (IP66/67)

High visibility LCD display
- 40mm high weight display with white backlight. The bright backlight can be adjusted based on the ambient light conditions.
- Intuitive display icons provide instant operational status indications, and single-keypress navigation to common functions.
- Included adjustable mounting bracket allows for optimized viewing angle.

Support for mobile weighing
- Flexible battery option facilitates use in mobile weighing applications.
- Power saving electronics minimize power consumption, prolong battery life and decrease the cost of ownership.

Fast and easy operation
- Rugged polyester membrane keypad with responsive tactile feedback.
- Pre-defined, application-specific print templates provide a quick transaction record.
- Simply and easily assign function keys, for fast switching between weighing modes using a single key-press.
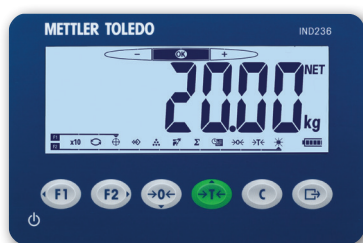- Simple configuration using clearly-defined menu navigation keys.

Flexible connectivity
In addition to one standard RS232 port, an additional connectivity option can be added:
- RS232/RS422/RS485
- USB device
- Discrete I/O

Standard Applications

IND231 and IND236 terminals are not just an excellent choice for basic weighing applications – they are also designed to support application-specific requirements such as checkweighing, counting, animal weighing, and weight accumulation. Pre-defined, application-specific print templates, including date and time information, provide a record of the transaction and facilitate integration into PC-based software applications.
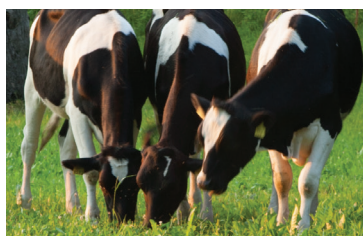
Over/Under checkweighing

Faster and efficient over/under Checkweighing operation:
- 10 stored targets with easy configuration and editing.
- Fast target recall via a single function key.
- Clear indication of over/under status via graphic weight status symbol.
- Ability to assign discrete outputs to target status, allowing for control of signal lights or other peripheral devices.

Counting with APW enhancement

- Average piece weight (APW) enhancement provides a more accurate counting result. As the number of weighments increase, the counting accuracy is refined and improved.
- Easy switching between piece count and total weight.
- Quick recall of average piece weight and reference weight.

Animal weighing

- Animal weighing mode is quickly activated by pressing the user-defined function key.
- Fixed time interval for averaging weighments; the averaged weight is displayed until the next weighing transaction is started.
- Application-specific print template output automatically, permitting increased productivity and hands-free operation

Accumulation

- Both manual and automatic accumulation for gross or net weight.
- Accumulation result can be displayed and printed.

Date	YYYY.MM:DD	
Time	HH:MM:SS	
Total	XX.XXX	Unit
Count	XX.XXX	
Gross	XXXX.XXX	Unit
Tare	XXXX.XXX	Unit
Net	XXXX.XXX	Unit

Remote display

IND231 and IND236 terminal can function as a remote display for many METTLER TOLEDO industrial weighing terminals. The remote terminal can control the host terminal via clear, tare, zero, and print key presses. The applications on the host terminal continue to function when a remote terminal is connected.
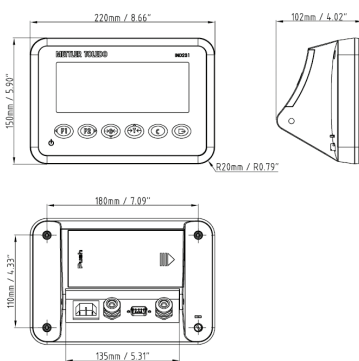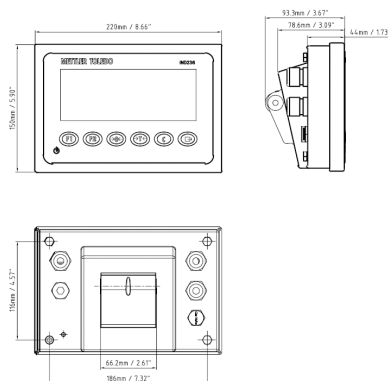
Technical Data

Terminal	IND231	IND236
Dimensions (WxHxD)	220 x 150 x 102mm / 8.66 x 5.90 x 4.02 (inch)	220 x 150 x 93.3mm / 8.66 x 5.90 x 3.67 (inch)
Construction	Plastic	Stainless Steel
Mounting	Mounting to wall, desk or column via included adjustable angle mounting bracket	
Power	AC: 85-264VAC; 50Hz-60Hz	
	Six AA batteries or NiMH rechargeable battery	NiMH rechargeable battery
Operating Environment	-10ºC to +40ºC (14ºF to 104ºF), 10% to 95% relative humidity, non-condensing	
Protection	IP54	IP66/IP67
Display	40mm high weight display, seven digits seven segment LCD with white backlight	
Scale Interface	one analog scale	
Load Cell	Up to 4 350ohm load cells, 5V excitation	
Units of Measure	g, kg, lb, oz	
Keypad	Seven function keys: Zero, Tare, Clear, On/Off, Print, F1 & F2 (definable)	
Communication Options	Standard: COM1 RS232	
	Option: COM2 isolated RS232/RS422/RS485 COM2 USB device for connection to PC COM2 Discrete I/O with 2 inputs and 4 outputs	
Application	Basic Weighing, X10, Date & Time, Animal weighing, Counting with APW enhancement, Over/Under checkweighing with 10 records database, Accumulation, Remote display	
Approvals	Class III: OIML6000e, NTEP10,000d, CMC6000e, CE, cULus	
Accessories	Desk bracket, terminal protection cover	

Dimensions (mm/inch)

IND231

IND236