

# Weighing Indicators



## IND400 Indicators

- Intuitive Touch Interface
- Complete Process Visibility
- Prioritized Data Integrity
- Simple Label Customization

**Effortless Operational Efficiency**  
Touch The Future

**METTLER TOLEDO**

# IND400 Weighing Indicator

## Productivity through Intuitive Use

The IND400 family of weighing indicators delivers an intuitive user experience and secure data access, packaged in a simple graphical touchscreen display. Whether you have basic weighing processes or more complex applications, the IND400 allows you to upgrade your operation without reimagining your workflows to maximize your productivity and be audit-ready anytime.

► [www.mt.com/IND400](http://www.mt.com/IND400)



### Touch the Future

Eliminate historic headaches of tedious training, operator fatigue, and slow startup. The touch interface speeds up parameter settings and navigation, while the user-friendly UI presents clear and intuitive weighing results, and optional pre-built weighing applications reduce startup complexity.



### Make Data-Driven Decisions

Visualize the full production picture to make data-driven, timely decisions for your most critical processes. With flexible communication options, you can easily connect the IND400 to your ERP, MES, or PLM system and exchange data between devices.



### Be Audit-Ready Anytime

Have confidence in your data and simplify your compliance efforts. The user management and time server functions ensure the traceability of data, and additional data integrity features enable full compliance with ALCOA++ principles.

The IND400 indicator drives productivity across many industries:



Food



Chemical



Pharma



### We offer global and local partnership, no matter where you do business.

Whether you are a multinational business or a systems integrator serving customers worldwide, our globally approved weighing platforms enable you to standardize your weighing solutions to minimize procurement and engineering hours and deliver a reliable value to your customers or production facilities worldwide. Our comprehensive consulting and extensive weighing portfolio are available to help you simplify your job.



# Touch the Future of Manufacturing

## Faster Operation, Fewer Errors

The interactive graphical interface of the IND400 indicator provides better visibility to read values at a glance, speeds up menu navigation, and enables quick data input and task execution, even for your newest employees. With easy-to-use, built-in weighing applications, you can configure the indicator to your unique needs and start seeing results right away.



### 5" Color Display

Minimize training time, avoid operator fatigue, and reduce human errors with clear, highly visible prompts and results.

### Capacitive Touchscreen

Benefit from higher sensitivity and optimized touch algorithms that allow for precise touch, light touch, timely response, and smooth sliding, even when you are wearing gloves.

### Intuitive UI/UX

Leverage familiar features like toggle, time picker, and the brightness slider to control the system settings like your smartphone.

### colorWeight® Functionality

Speed up weighing processes and minimize waste with the simple three-color display system that confirms results at a glance.

### Design, Print, Deliver

With IND400's built-in software, customize your material labels to meet your unique needs and modify them as you go; no expertise or PC is required. By modifying existing templates, you eliminate the need for creating new designs from scratch, saving time and reducing operational costs.

### Hygienic Enclosure Design

Leave no room for moisture or bacteria accumulation with the IP69K-rated stainless-steel construction that withstands heavy wash down.





**IND400 provides visibility into your operation:**



**Easy Integration with Cloud and ERP Systems**  
Access and share data on inventory management, quality control, and other production performance with connectivity via Ethernet, serial, USB, or WiFi to your MES / ERP systems.



**Connectivity for Seamless Communication**  
Easily exchange data between devices including printers, barcode scanners, or other peripherals, and integrate IND400 into existing processes with connectivity via Modbus RTU or Modbus TCP.



**Designed and Tested for Cybersecurity**  
IND400's rigorous cybersecurity testing and low-risk verification report demonstrate our commitment to protecting customer privacy and transaction data. Unauthorized activities can be identified quickly, helping to prevent tampering or flag potential data breaches.

**Make Data-Driven Decisions**  
Connectivity Delivers Visibility

Data is your business's most critical asset, as it is the foundation of Lean operations and innovative practices. IND400's rich communication interfaces facilitate data sharing from your manual processes into the overall enterprise system, forming a digital closed loop where your information is securely accessible where and when you need it.



# Be Audit-Ready Any Time

## Complete, Reliable Reporting

Simplify compliance with on-demand, verifiable documentation and reporting, supported by IND400's data integrity feature bundle. Audit trails track every action and change made within the indicator, attributing them to specific users to promote accountability and transparency, making it clear who performed each action and when.

### IND400 supports data integrity per ALCOA++ principles:



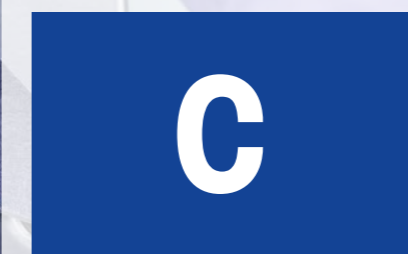
**Attributable**

The data integrity features ensure that every transaction is recorded together with a user account as well as date and time. Users can be assigned to customizable permission groups, and password policies ensure the security of user accounts.



**Legible**

IND400 can store up to 300,000 weighing records and is equipped with electronic signature functionality, allowing for weighing data to be reviewed directly on the indicator.



**Contemporaneous**

IND400 also supports NTP time-server functionality, allowing it to synchronize with the factory time server to ensure accurate timestamping of every weighing log. A high-performance internal time chip is also built in to reduce the frequency of manual time setting in situations where there is no network available.



**Original**

The built-in SHA-256 hash chain encryption policy ensures that source data cannot be tampered with. Encrypted PDF and CSV file exports are also available to ensure secure archival of data as certified true copies.



**Accuracy and Traceability**

The comprehensive audit trail logging feature ensures that all user actions relating to data generation, review, and deletion are recorded. These operations are time-stamped and tracked for audit purposes, ensuring the integrity and security of the data.



## Technical Data

### IND400 Specifications

Specifications	
<b>Enclosure Type and Dimensions</b>	Stainless Electropolished enclosure, steel type 304 stainless steel 239 x 155 x 77 mm (9.4 x 6.1 x 3.0 in), VESA75, VESA100
<b>Keypad</b>	Membrane keyboard for Print, Tare, Clear, Zero and 5 Softkeys
<b>Display</b>	High-resolution capacitive touch graphic display, TFT anti-glare 127 mm (5 in), 800 x 480 px
<b>Clock Accuracy</b>	< 1 second / day (without time server access) at 25° C consistent room temperature
<b>Shipping Weight</b>	2.4 kg / 5.3 lb (net weight)
<b>Environment Protection</b>	IP69k (Stainless enclosure)
<b>Power</b>	Wide range power supply 100 - 240 VAC 50/60 Hz
<b>Supported Scale Types</b>	1 scale interface for Analog or Digital (SICSpro) platform
<b>Analog/Digital Update Rates</b>	Internal: Analog: ≥400 Hz; SICSpro: 50 Hz for scale that include Advanced Setup Mode
<b>Weight Display</b>	Display resolution of 100,000 d for analog load cell scale Display resolution for ISICSpro bases is determined by the specific base used
<b>Applications</b>	Basic weighing, counting, Over/under checkweighing, Animal weighing, Manual filling, Totalizing, Data integrity
<b>Optional Interfaces</b>	Discrete I/O interface with 4 inputs and 4 outputs RS-232 serial port (300 to 115,200 baud) RS-232 with 5V serial port (300 to 115,200 baud) and with 5V output RS-485 serial port (300 to 115,200 baud) USB OTG with USB 2.0 up to 12Mbit/s support USB stick, USB scanner, etc. Ethernet TCP/IP with 10/100 Mbps auto-negotiation Wi-Fi 4, 2.4 GHz / 5 GHz (supporting 802.11 a,b,g,n)
<b>Protocols</b>	ASCII commands for CTPZ (Clear, Tare, Print, Zero), SICS commands and Shared Data Server Access Continuous or Transfer with up to ten configurable print templates or Remote scale protocols and PSCP for pharma Modbus TCP/Modbus RTU: Modbus protocols for weighing data and CTPZ command
<b>Interface and Function Update Rates</b>	Weight display: 20 Hz Internal discrete I/O: 50 Hz SICS continuous (SIR): up to 20 Hz Modbus response time: < 50 mS MT Continuous Output: up to 20 Hz
<b>Approvals</b>	Weights and Measures USA: NTEP Class II 100,000d; Class III/IIIL 10,000d Canada: Class II 100,000d; Class III 10,000d; Class IIIHD, 10,000d Europe: OIML R76 Class II approved divisions determined by platform; Class II 100,000e, Class III 10,000e and Class IIII 1,000e
<b>Operating Environment</b>	Application: Indoor use only Altitude: Up to 2,000 m Temperature range Class III: -10 to 40 °C / 14 to 104 °F Overvoltage category: II Pollution degree: 2 Humidity range: 10 to 95% relative humidity, non-condensing

## Accessories

### Compatible with IND400

Brackets	
22021070	Desk Mounting Plate(T-version)
30844002	VESA Mount Bracket Kit IND400
30844003	Panel Mount Bracket Kit IND400
30934086	IND400 Front Mount Bracket for PBA4/PBK9
30934087	IND400 Front Mount Bracket for PBA639/PBD659
Communication Cable	
30876373	Cable M12 RS232 Female SUBD9 Kit
30876374	Cable M12 RS485 6P 3 m Kit
30876375	Cable M12 Ethernet 4P RJ45 Male 20 m Kit
30876376	Cable M12 Ethernet 4P RJ45 Male 5 m Kit
30876377	Cable M12 DIO 12P Male Shield 10 m Kit
30876378	Cable M12 USB Host 5P 0.2 m Kit
30876379	Cable M12 USB Device 5P 1.5 m Kit
App Upgrade License	
30876380	License Alibi Option Kit IND400
30876381	License Multi App Option Kit IND400
30876383	License DI Option Kit IND400
30876385	License Upgrade Kit Multi App IND400
30876387	License Upgrade Kit DI IND400
30876388	License Modbus RTU Option Kit IND400
30876389	License Modbus TCP Option Kit IND400
Others	
30898380	PET Touch Screen Cover Kit IND400

## Complete Your Weighing Solution

### Browse Scales for Your Application



#### Bench Scales

Maximize throughput and minimize errors in tabletop weighing processes with compact, reliable bench platforms.

► [www.mt.com/bench-scales](http://www.mt.com/bench-scales)



#### Floor Scales

Achieve precise weighing of bulky and heavy goods with rugged and accurate METTLER TOLEDO floor scales.

► [www.mt.com/floor-scales](http://www.mt.com/floor-scales)



# Explore Our Service Solutions

## Tailored to Fit Your Equipment Needs

METTLER TOLEDO Service delivers resources to enhance your efficiency, performance, and productivity by providing service packages that fit your operational needs, maximize your equipment lifetime, and protect your investment.



### Start with professional installation

Installation services include support for your unique production situation:

- Professional IQ/OQ/PQ/MQ documentation
- Initial calibration and confirmation of fit-for-purpose
- Hazardous area installations



### Calibrate for quality and compliance

The professional Accuracy Calibration Certificate (ACC) determines measurement uncertainty in use over the entire weighing range. Corresponding annexes give a clear pass/fail statement for specific tolerances applied, such as fit-for-purpose (GWP®), OIML R76, NTEP HB44, or further regulations.



### Maintain accuracy over time

Receive professional guidance (GWP® Verification™), including a routine testing plan that specifies four key factors to maximize your efficiency and ensure quality:

- Tests to perform
- Testing frequency
- Weights to use
- Tolerances to apply



### Extend your warranty coverage

Add two years of preventive maintenance and repair coverage to protect your equipment purchase and achieve maximum productivity and budget control.



### Schedule maintenance

Full preventative maintenance plans offer inspection, functional testing, and proactive replacement of worn parts. Health inspections offer a full assessment of current equipment condition with professional maintenance recommendations.

[www.mt.com/IND400](http://www.mt.com/IND400)

For more information

#### METTLER TOLEDO Group

Industrial Division

Local contact: [www.mt.com/contacts](http://www.mt.com/contacts)



Subject to technical changes

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