

Weighing Indicators



IND780

Flexible Configuration

Powerful Connectivity and Controls

Hazardous Area Approvals



Power and Performance Advanced Weighing Applications

METTLER TOLEDO

Powerful Performance

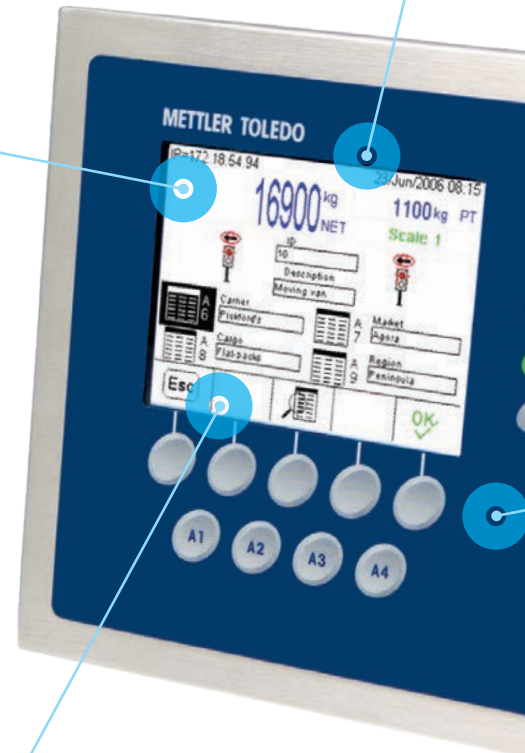
Improve Process Control

The IND780 is a highly flexible weighing indicator and controller designed to support advanced weighing applications as a stand-alone or integrated solution. Configure up to four concurrent scales and a metrologically-approved sum scale, and then view one or all on the display at the same time to maximize process visibility and control across a variety of possible applications.

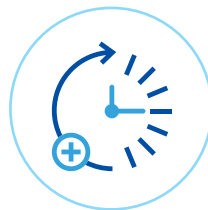
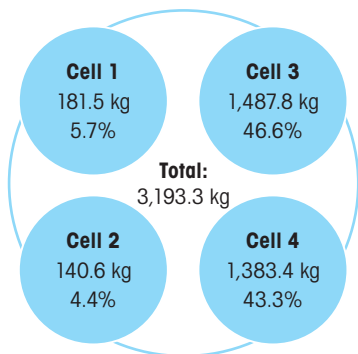


Customize Your Interface

Optimize the amount of visible information with the QVGA graphical LCD display to make process information easy to view in your preferred visual layout.



IND780 Weighing Indicator



Ensure Operational Uptime

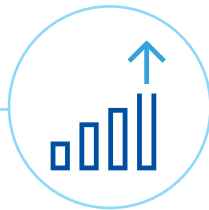
Use TraxEMT™ Embedded Maintenance Technician as a preventative strategy to predict and plan scale maintenance, rather than react after equipment is already down.

“ Learn more about the IND780 process controller. ”
Read More: www.mt.com/IND780



Visualize Your Process Status

Improve the speed and accuracy of manual or semi-automatic operations with SmartTrac™, which offers three display modes to graphically show live weight versus the target.



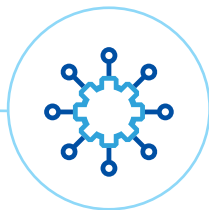
Maximize Your Productivity

Increase throughput with the IND780 multi-processor design, which provides the fastest A/D performance at 366 Hz and includes TraxDSP™ digital filtering to deliver accurate results in challenging environments.



Simplify Scale Operation

Configure the soft keys for single-key-press operation of the most important functions to enable users to seamlessly, accurately and quickly execute processes.



Match Your Weighing Environment

Meet the challenges of your specific application by selecting the enclosure that best fits your needs, including an IP69K-rated harsh enclosure or Type 4x/12 panel-mount option. Applications with strict cleaning requirements will benefit from 304 Stainless Steel construction and sanitary finishes.



Flexible Configuration

Tailor to Your Weighing Application

Easily configure this flexible and fast controller to meet the needs of your most complex weighing applications, from the truck scale to the laboratory. IND780 offers a comprehensive package of weighing, communication and control functions, supported by high-speed, multi-task processing to drive increases in productivity and boost overall yield.



Filling and dosing

IND780 offers true multi-tasking capability to enable efficient and accurate filling and dosing on up to four scales simultaneously. Operators can actively monitor process status on the user-friendly interface.



Vehicle weighing

The Drive-780 vehicle management application offers user-defined tables for commodities, carriers and contracts. Controls for traffic lights and gates help to quickly and efficiently move vehicles through your site.

Custom Applications

If you have a specific application that requires additional control or functionality, your local METTLER TOLEDO team is able to modify and expand the standard capabilities of the IND780 to tailor to your process requirements using our TaskExpert custom programming environment.



Seamless Connectivity

Choose your optimal weighing technology

Select the scale that best satisfies the performance and cost requirements of your application. IND780 supports all of the best weighing technologies METTLER TOLEDO has to offer, including POWERCELL®, analog, and high-precision platforms and balances.

Fit the system to your operational needs

Streamline the integration process with a wide range of interface options including fieldbus, Ethernet TCP/IP, serial, or USB. A pulse counter input provides further sensor integration possibilities, and you can control up to 40 inputs and 56 outputs using optional internal and external I/O.

Achieve end-to-end data integration

Use the power of the IND780 to integrate your weight or other process data directly into your production network. The indicator facilitates transmission of multiple fields and formats of data to printers, scoreboards, or data collection devices using Serial and/or Ethernet data protocols.

ControlNet™
DeviceNet™
EtherNet/IP™

PROFI®
BUS
PROFI®
NET

Modbus
Rockwell Automation
Encompass™
Product Partner

Global Approvals for Hazardous Areas

Ensure Safety and Compliance

The IND780 is the go-to indicator and controller for connecting multiple scales in a hazardous area classified as Zone 2/22 or Division 2. Both the harsh and panel-mount models are suitable for use in these challenging environments and also support connectivity to a wide range of analog and precision scales, so you can take full advantage of its powerful performance and flexibility.



Connect multiple scales in the Hazardous Area

A maximum of four Analog, IDNet, POWERCELL or SICS scales can be connected, which provides flexibility when managing weighing processes in tough environments.



Benefit from non-incendive approval

The IND780 can be connected directly to power, PC, ERP, PLC and printers in the Non-Hazardous Area without the need for barriers by using wiring methods allowed for Zone 2/22 or Division 2.



Get support for safety

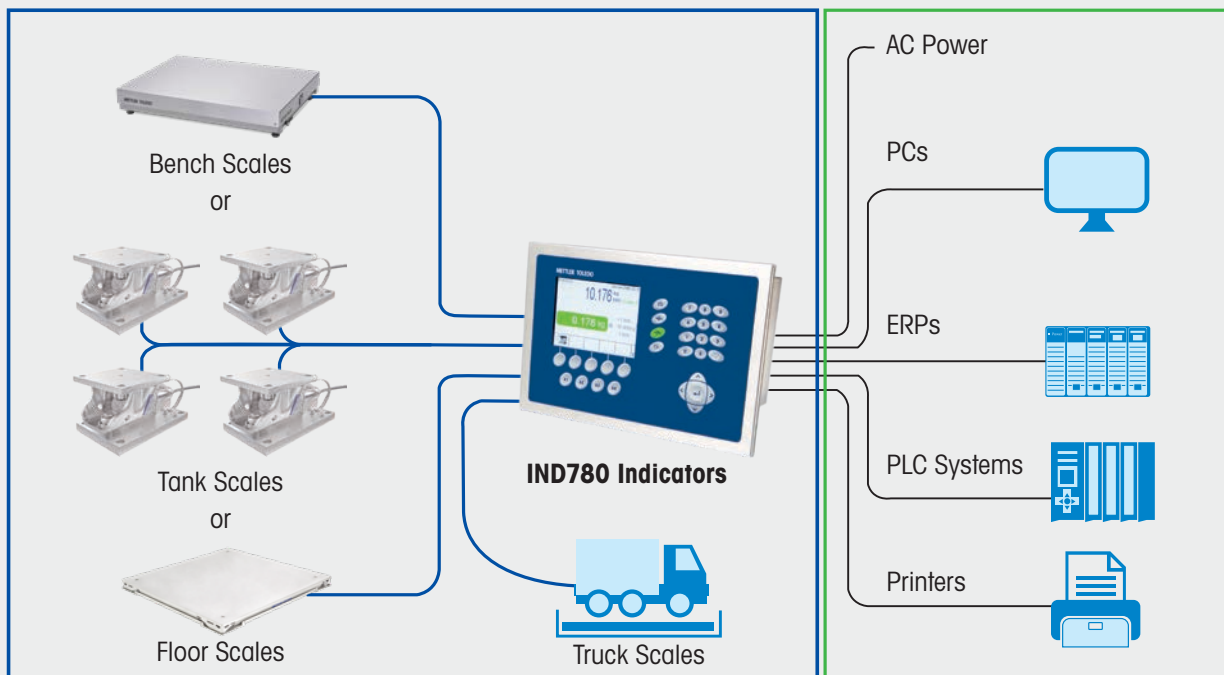
METTLER TOLEDO offers a comprehensive package of resources to help ensure safe and accurate weighing processes, starting with initial set-up and supporting reliable continuous operation.



System Layout Example

Hazardous Area Zone 2/22 or Div 2

Non-Hazardous Area



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 weighing solution investment.

► www.mt.com/IND-Service

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

Extend your warranty coverage



Add two years of preventive maintenance and repair coverage to protect your indicator or full system purchase and achieve maximum productivity and budget control.

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
- Weights to use
- Testing frequency
- Tolerances to apply

Schedule maintenance



Full preventative maintenance plans offer inspection, functional testing, and proactive replacement of worn parts.

Health inspections offer a full assessment of current condition with professional maintenance recommendations.

Calibrate for quality and compliance

GWP®

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.

www.mt.com/IND780

For more information

METTLER TOLEDO Group

Industrial Division

Local contact: www.mt.com/contacts



Subject to technical changes

©02/2023 METTLER TOLEDO. All rights reserved

Document No. 30658453 B

MarCom Industrial