

IND780



IND780 Panel



IND780 Rack

Industrial Weighing Terminal

The **IND780** is a highly flexible terminal capable of supporting simple to complex, standalone to integrated weighing and control applications. A wide range of communications interfaces are available, including serial, Ethernet, USB and a variety of fieldbuses.

Applications

- General weighing
- Vehicle weighing
- Process weighing
- Advanced configuration and authorization

Standard Features

- Panel mount and Rack Enclosurement structures
- Interface up to four concurrent Analog, RS485, POWERCELL™, POWERCELL™ PDS™ or MT-SICS (2 max.) channels with a metrologically-approved sum
- Menu-driven navigation setup consistent with other METTLER TOLEDO industrial terminals
- Bright, LCD graphical display: 320 x 240 pixels, 5.7" (145 mm) QVGA in monochrome or optional active TFT color
- Local setup through front panel, online or offline setup with *Indy™* Configuration Tool
- *TraceDR™* digital filtering and *TraceEXT™* maintenance features
- Optional discrete I/O, coincident or latching outputs for material transfer
- Optional PLC fieldbus support
- Optional additional serial connectivity

Specifications

Display

Type: Graphical, monochrome, bright LCD (optional active TFT color)
Size: 320 x 240 pixel, QVGA, 5.7" (145 mm)
Display Update Rate: 10 Hz

Keypad

Type: Flat switch membrane with tactile-fee keys; polyester overlay
Primary function keys: Zero, Tare, Clear, Print, Switch Scale
Navigation keys: Up, Down, Left, Right, Enter, Clear
Numeric keys: 0-9, decimal point
Soft keys: 3 sets of 5 programmable with access to alpha characters
Application keys: 4 programmable keys

Power

Termination

Panel: two-position removable terminal strip for 1-6 to 12 AWG wire
 Rack: integral power cord

Supply Criteria:

AC: Universal AC: 100 - 240 VAC at 45 - 61 Hz
Consumption: 400 mA

Temperature Characteristics

Operating Temperature: 14° F to 104° F (-10°C to 40°C) at 10% to 90% relative humidity, non-condensing

Storage Temperature: -40° F to 140° F (-40°C to 60°C) at 10% to 95% relative humidity, non-condensing

Specifications (continued)

Enclosure

Panel Mount:

Material: 304L stainless steel front plate
Protection: Certified TyPC 4x12 (ul. IP65) protection in appropriate enclosure
Dimensions (H x W x D): 220 x 220 x 108 mm (8.7 x 12.6 x 4.1 in)
 IP65 / IP protection

Rack Environment - Desk, Wall and Column Mount:

Enclosure: designed to comply with ENEC and NSF standards
Material: 304L stainless steel
Material: 304L stainless steel
Protection: IP65K certified protection, appropriate for heavy washdown with hot water under pressure
Dimensions (H x W x D): 200 x 200 x 200 mm (7.8 x 11.8 x 9.3 in)
 IP65 / Column Mounting Bracket Option: adjustable viewing angles

Compliance and Approvals

Weights and Measures:

U.S.A. - NIST: CoC #06-017
 • OIML: Class II, 100,000d
 • Analog: Class II, 100,000d
Canada: 4M-5087
 • Class II, 100,000d
 • Class II / 5M-0, 10,000d / 20,000d

Europe - NM:

• OIML: Class II, Approved divisions - determined by platform
 • Analog: Class II, 10, 10,000d

Product Safety:

UL-listed; tested and complies with UL60950-1, UL508 and CSA 22.2-60950-1

CE:

- ACD940-0000: non-automatic (Scales and Scales)
- ACD940-0000: adopted European Standard
- 89/392-EEC EMC Directive
- 90/269-EEC, 2005, Class A

Hazardous Area Use: Approvals Pending

Zone 2007 Division 2: Class I and II, Groups A-D, F and G when installed per METTLER TOLEDO drawing 1740000

Conducted and Radiated Emissions (RF): Meets or exceeds FCC part 15 for conducted and radiated emissions requirements on a Class A digital device

Radio Frequency Interference Susceptibility: Meets IEC, Canadian, and European requirements with a maximum of one display increment of change when subjected to the recommended radio tests

Radio Interference Frequency: 20 - 1,000 MHz

Peak Strength: 10 volts / meter

Mettler Toledo Ind780 Installation Manual

BM King



Mettler Toledo Ind780 Installation Manual:

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Unveiling the Magic of Words: A Overview of "**Mettler Toledo Ind780 Installation Manual**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their ability to kindle emotions, provoke contemplation, and ignite transformative change is really awe-inspiring. Enter the realm of "**Mettler Toledo Ind780 Installation Manual**," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound affect the souls of its readers.

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