IND570

01 / Product identity and control context

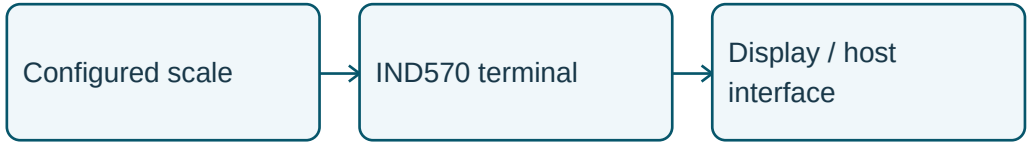
Industrial Weighing Terminal

METTLER TOLEDO IND570 is an industrial weighing terminal for configured scale interfaces, process weighing and control-system integration. Power, scale input and network options depend on the installed execution.

Key characteristics

Product type	Industrial weighing terminal
Standard communication	Configurable serial interface and USB host
Scale input	Depends on the installed scale-interface option
Integration	Optional network and PLC interfaces

Functional relationship



Weighing chain

Processes the fitted scale interface and presents calibrated weight to the operator and configured control connections.

Configuration boundary

IND570 is a configurable terminal family. Scale interface, housing, AC/DC supply and PLC/network functions apply only to the installed execution; IND570xx approvals do not transfer to standard IND570.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Technical characteristics

Hardware and functional data

Manufacturer	METTLER TOLEDO
Product family	IND570
Terminal function	Industrial weighing and control
Keypad	26 keys
Weight display update	10 Hz
Standard serial port	COM1: RS-232 / RS-422 / RS-485
Serial baud range	300 to 115200 baud
USB interface	Type A host; 5 V, 100 mA

Interfaces and operating conditions

AC-powered executions	85 to 264 V AC; 49 to 61 Hz
Optional DC-powered panel execution	24 V DC, -15% / +20%
Analog scale option	Up to twelve 350-ohm load cells
Analog excitation	10 V DC
Operating temperature	-10 to 40 °C
Relative humidity	10 to 95%, noncondensing
Ethernet option	10/100 Ethernet, if installed

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03 / Application and integration contexts

Process weighing stations

Display and process scale weight with the fitted scale interface and calibrated installation. Match the scale type, capacity and required operating functions.

Target-controlled operations

Use application-configured target comparison in a weighing process. Validate the selected outputs and process response before enabling automatic operation.

Hardware identification

Record the scale interface, power execution, enclosure and installed communication boards before changing wiring or configuration.

Serial data integration

Exchange weight and commands through the configured COM1 serial port. Match electrical interface, baud rate and protocol at both ends.

PLC-connected weighing

Integrate the terminal using its actual installed PLC-interface option. Select the correct network configuration rather than assuming every IND570 contains Ethernet or a fieldbus card.

Configuration preservation

Retain scale calibration, units, serial settings, target parameters and network configuration. Revalidate the affected functions after service.

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04 / Installation and release decisions

Identify the installed options

Record the full terminal label, enclosure execution, scale interface, power supply and communication option boards.

Match the weighing interface

Keep analog load-cell, IDNet, SICSpro and POWERCELL configurations distinct. They are alternative scale-interface arrangements.

Verify the power execution

Check whether the actual unit is AC powered or the optional DC panel execution. Do not apply the DC option to every housing or scale variant.

Preserve calibration

Back up the configuration and calibration information. Follow the applicable metrology and site procedure after changes to the terminal or scale.

Configure communications

Match the serial electrical interface and protocol, or the installed PLC/network option. A connector alone does not establish protocol configuration.

Confirm installation suitability

Maintain the specified environment and enclosure requirements. Do not transfer IND570xx hazardous-location approvals to a standard IND570.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

The current manufacturing and service-support phase for IND570 has not been confirmed. Obtain current manufacturer guidance for the complete identification and installed configuration.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

METTLER TOLEDO IND570 Weighing Terminal User Guide, 30205308 Rev. 07 (April 2017).

Related product references

Allen-Bradley 2711P-T10C21D8S

Allen-Bradley 1756-OB16D

Schneider Electric 140DDI35300

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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