1.2. Specifications

The IND570 terminal conforms to the specifications listed in Table 1-1.

Table 1-1: IND570 Specifications

IND570 Specifications	
Enclosure Types	Panel-mount stainless steel front panel with an aluminum frame
	Harsh environment desk/wall/column-mount type 304L stainless steel enclosure
Dimensions (l × w × d)	Panel Mount: 265 mm × 160 mm × 66.5 mm (10.4 in. × 6.3 in. × 2.6 in.)
	Harsh Environment: 265 mm × 148.4 mm × 163 mm (10.4 in. × 5.8 in. × 6.4 in.)
Shipping Weight	3.2 kg (7 lb)
Environmental Protection	Panel-mount front panel sealing is UL-approved and certified to IP65, type 4x and type 12
	IND570 Harsh Environment model: UL-approved and certified to IP69K. IND570xx: IP65.
Operating Environment	All terminal types can be operated at temperatures ranging from –10° to 40° C (14° to 104° F) at 10% to 95% relative humidity non-condensing
Hazardous Areas	**Only** the IND570xx version is certified for use in environments classified as Division 2 or Zone 2/22 because of the combustible or explosive atmospheres in those areas.
AC Input Power (Harsh and panel-mount models)	Operates at 85–264 VAC, 49–61 Hz, 750 mA
	Panel-mount version provides a terminal strip for AC power connections.
	Harsh environment version includes a power cord configured for the country of use. The IND570xx version provides conduit hubs and no power cord for Canadian and US approved applications, and an open-ended power cord for ATEX and IECEx approved applications.
	Note: When an IND570xx is installed in an area classified as Division 2 or Zone 2/22, special AC wiring requirements must be met. Refer to document 30205321
DC Input Power (Panel-mount models only; not for POWERCELL model)	Operates at 24 VDC, -15% - +20%, 1.25A
	Provides a terminal strip for DC power connections
	24VDC input power option not available on the harsh models

IND570 Specifications	
Scale Types & Update Rates	Analog load cells, up to twelve 350-ohm load cells (eight for IND570xx) (2 or 3 mV/V). Update rate > 366 Hz. or IDNet High-Precision Line (+12V versions only, including T-Brick cell, M-Cell, Point-ADC). Update rate determined by IDNet base. or SICSpro High-precision platforms that include Advanced Setup Mode. Update rate approximately 50 Hz. or Up to 14 POWERCELL load cells. Update rate selectable up to 50 Hz.
Analog Load Cell Excitation Voltage	10 VDC
Minimum Sensitivity	0.1 microvolts
Interface and Function Update Rates (max) – Analog terminal versions	Weight display: 10 Hz Internal discrete I/O: 50 Hz External discrete I/O (ARM100): 25 Hz PLC cyclic data: 25 Hz SICS continuous (SIR): 20 Hz MT Continuous Output: 20 Hz Continuous Template (serial): 20 Hz (19.2-115.2Kbaud), 14 Hz (9600 baud) Continuous Template (Eprint): 10 Hz
Interface and Function Update Rates (max) – IDNet terminal versions	Weight display: 10 Hz Internal discrete I/O: 20 Hz External discrete I/O (ARM100): 20 Hz PLC cyclic data: 20 Hz SICS continuous (SIR): 20 Hz MT Continuous Output: 20 Hz Continuous Template (serial): 20 Hz (19.2-115.2Kbaud), 14 Hz (9600 baud) Continuous Template (Eprint): 10 Hz
Interface and Function Update Rates (max) – SICSpro terminal versions	Weight display: 10 Hz Internal discrete I/O: 50 Hz External discrete I/O (ARM100): 25 Hz PLC cyclic data: 25 Hz SICS continuous (SIR): 20 Hz MT Continuous Output: 20 Hz Continuous Template (serial): 20 Hz (19.2-115.2Kbaud), 14 Hz (9600 baud) Continuous Template (Eprint): 10 Hz

IND570 Specifications	
Interface and Function Update Rates (max) – POWERCELL terminal versions	Weight display: 10 Hz Internal discrete I/O: 50 Hz External discrete I/O (ARM100): 25 Hz PLC cyclic data: 20 Hz SICS continuous (SIR): 20 Hz (15 Hz when update rate is 15 Hz) MT Continuous Output: 20 Hz (15 Hz when update rate is 15 Hz) Continuous Template (serial): 20 Hz (19.2-115.2Kbaud), 14 Hz (9600 baud) (15 Hz when update rate is 15 Hz) Continuous Template (Eprint): 10 Hz
Keypad	26 keys; 1.22-mm thick polyester overlay (PET) with polycarbonate display lens. IND570xx version provides an additional 1-mm thick clear polyester overlay (PET) in front of the polycarbonate display lens
Communication	**Standard Interfaces** Serial Port: COM1 (RS-232/RS-422/RS-485), 300 to 115,200 baud (isolated, in POWERCELL model) Serial Port: COM4 (POWERCELL model only) RS-232, 300 to 115,200 baud USB Host Port: Type A connector, +5V at 100mA for connected devices (not certified for use in hazardous areas) **Optional Interfaces** Ethernet Port: Ethernet 10 base-T / 100 base TX COM2 serial port: RS-232, 300 to 115,200 baud COM3 serial port: RS-232/RS-422/RS-485, 300 to 115,200 baud **Supported Protocols** USB Inputs: ASCII characters (barcode, keyboard), on-demand file import USB Outputs: Demand output, Report printing, on-demand file export Serial Inputs: ASCII characters, ASCII commands for CTPZ (Clear, Tare, Print, Zero), SICS (level 0 and level 1, some support for level 2 commands), Remote Display, Shared Data Server access Serial Outputs: Continuous and Demand outputs, SICS host protocol, report printing, interfaces with external ARM100 Remote Input/Output modules. Optional COM-570 Application Software available for legacy serial protocols. Ethernet Inputs: ASCII commands for CTPZ (Clear, Tare, Print, Zero), SICS (level 0 and level 1, some support for level 2 commands), Remote Display, Shared Data Server Access Ethernet Outputs: Continuous and Demand Outputs, report printing **PLC Interfaces** A single interface supported: Analog output, ControlNet, DeviceNet, EtherNet/IP, Modbus TCP, PROFIBUS DP, PROFINET (not available for IND570xx)