



PANTHER® Panel

Industrial Weighing Terminal



Specifications

Dimensions	Enclosure	Height	Width	Depth	Shipping Weight
		91.9 mm (3.6 in)	171.5mm (6.75 in)	132 mm (5.2 in)	2.04 kg (4.5 lb)
Enclosure	<ul style="list-style-type: none"> 304 stainless steel, certified TYPE 4/12 (ref. IP65) Mounts into enclosure cutout, 159.3mm W x 69.8mm H 				
Power	Universal power supply, 100, 120, 220 or 240 VAC, 49 to 61 Hz, 12W				
Display	12.7 mm/0.55 in high, 7-digit, 7-segment vacuum fluorescent numeric				
Keypad	6-function keypad, polyester				
Scale Types	Analog Scale: 5 VDC excitation powers up to 8 350Ω load cells (max 4 350Ω load cells when PLC or analog output options used), 2 or 3 mV/V				
Performance	Maximum update rates: Analog to digital 300Hz; setpoint comparison rate 20 Hz				
Connectivity	Standard single port, COM1: RS-232				
Serial Interface Protocol	<ul style="list-style-type: none"> Inputs: ASCII commands for Clear, Tare, Print, Zero; SICS level 0 Output: METTLER TOLEDO Continuous or Demand 				
Discrete I/O	<ul style="list-style-type: none"> 3 outputs/ 5VDC, 1 input/ 5-24VDC 				
Options	<ul style="list-style-type: none"> PLC (one option): Allen-Bradley® Remote I/O; Profibus® L2 DP; DeviceNet™, Modbus Plus®, Analog Output: 4-20 mA and 0-10 VDC Three high level outputs for switching between 28-230 VAC 				
Operating Environment	-10°C to +40° C (14°F to 104°F), 10% to 95% relative humidity, non-condensing				
Agency Approvals	Weights and Measures	USA: Class III 10,000d; CoC 96-125A2			
		Canada: Class III 10,000d, AM-5162			
		Europe: Class III 5,000d, TC2969 Rev. 4			
	Safety	UL, cUL			
	Hazardous Area	Division 2: Class I, II, and III Groups A-D, F and G when installed in UL Type 12 enclosure Zone 2 and 22 : Class I and II, Group IIC when installed in UL Type 12 enclosure			

Features	Benefits
Setpoint or Checkweigh Operation	Select either standard weighing, simple batch process weighing with setpoints, or manual checkweighing
LED Status Indicators	3 LEDs indicate setpoint status or target zone condition
Enclosure	<ul style="list-style-type: none"> Rugged 304 stainless steel faceplate provides protection for harsh environments Simple mounting through rectangular cutout Compact design minimizes required panel space
Rugged Polyester Keypad	Provides reliable, long life operation even when exposed to chemicals and cleaners
Bright vacuum fluorescent display	Reliable weight viewing even under poor lighting conditions
Setpoints	Stores two setpoints with preact - or four target weights
Optional High Level Outputs	Provides fused 28-280VAC, 1A rated outputs for interface to a variety of external devices
Zone Status LED's	Provides easily seen weight status information when in over/under mode
TraxDSP™	Tunable digital filtering to suppress effect of vibration on weighing without loss of weighing speed
Hazardous Area Approvals	Allows for use in Division 2 / Zone 2 and 22 environments
PLC Connectivity	Optional PLC interfaces for A-B RIO, Profibus L2 DP, DeviceNet™, Modbus Plus®, or Analog Output installed inside the enclosure
Data Output	Bi-directional RS232, continuous output
Unit Switching (lb, kg, g, oz, ozt, lboz, dwt, t, tons)	Allows weighing in any two desirable units
Global Approvals for Terminal	Provides acceptance in local markets