



# PANTHER<sup>®</sup> PLUS

## SCALE TERMINAL

The PANTHER PLUS scale terminal is a compact, easy-to-use weight terminal that supports analog scales. Rugged yet versatile, it is available in a harsh environment stainless steel enclosure that can be column-, wall- or desk-mounted

### Applications

- Checkweighing
- Shipping and receiving
- Batch process weighing

### Standard Features

- Harsh enclosure for column-, wall- or desk-mounting
- Numeric keypad allows keyboard tare and setpoint entry
- Zero, Function, Tare, Print, Clear, Target, and Memory keys
- RS-232-C serial output
- TraxDSP™ digital filtering
- Unit Switching (lb, kg, g, oz, ozt, lb-oz, dwt, t, tons)
- 5-LED Status Indicators
- 24-hour clock and calendar, international format

### Specifications

#### Display

**Type:** VFD

**Digits:** 7 digit, 7 segment, 0.55" (12.7mm)

**Annunciators:** lb, kg, gross, net, center of zero, tare, 5 LED's

#### Keypad

**Type:** Flat switch membrane with domed polyester overlay

**Keys primary function:** Zero, Tare, Clear, Memory, Switch Units, Target, Print (Enter)

**Keys secondary function:** Programming arrows: up, left, select, down

**Numeric:** 0..9 and decimal

#### Power

**Type:** Power cord supplied

**Supply:** Selectable AC: 100, 120, 230 VAC at 49 - 63 Hz

**Consumption:** 12 watts

#### Enclosure

**Type:** Desk/wall (Harsh)

**Material:** Stainless steel

**IP/NEMA rating:** Provides TYPE 4X and IP65 protection

**Size (W x H x D):** 7.00 x 6.25 x 2.59 in. (178 x 159 x 66 mm)

**Wall column bracket:** Included

**Operating temperature:** 14° F to 104° F (-10°C to 40°C)

**Relative humidity:** 10% to 95%, non-condensing

### Specifications

#### Approvals

##### Weights and measures:

*U.S.A.:* NTEP Class III, IIIL, 10,000d, COC #96-125

*Canada:* Class III, 10,000d and approval AM-5162

*European:* OIML Class III, 5000d and Class IIII, 1000d COC #TC2969

#### Product safety

**Standards** UL, cUL

#### Hazardous Area Use

**Safe Area:** Capable of operation with load cells and bases in a Division 1 or Zone 1 hazardous area when used with approved ISB's

#### Scale Interconnectivity

**Analog cells (2 or 3 mV/V):** Eight (8) 350 ohm (Four (4) with Analog Output)

**A/D rate:** > 300 Hz analog internal, 20 Hz external

**Excitation voltage:** 5 VDC

**Maximum sensitivity:** 0.6 microvolts

**Internal resolution:** 1,000,000

**Display resolution:** 10,000

**Filtering:** Digital TraxDSP

#### Standard interfaces (hardware)

**Serial ports:** One

**Baud rates:** 300 - 9600

**Communications:** Standard RS232

#### Protocol:

**Out:** Demand, continuous, or Mettler Toledo Standard Interface Command Set (MT-SICS) Level 0

**In:** clear, tare, print, zero, select (switch units), or target

**Number of I/O:** 1 input, 3 outputs, 5 zone status LED's

#### Options

**Analog output module:** (0-10V or 4-20mA)

**External fiberglass I/O box:** For up to one input and three output modules (Opto-22 type)

#### Internal Software

**Units:** lb, kg, g, oz, ton, lb-oz, ozt, dwt, and metric tons

**Setpoints:** 2 with preact, zero tolerance or 10 target weights

**Date and time:** Standard

**Applications:** Checkweighing: 4 targets, 5 zones each

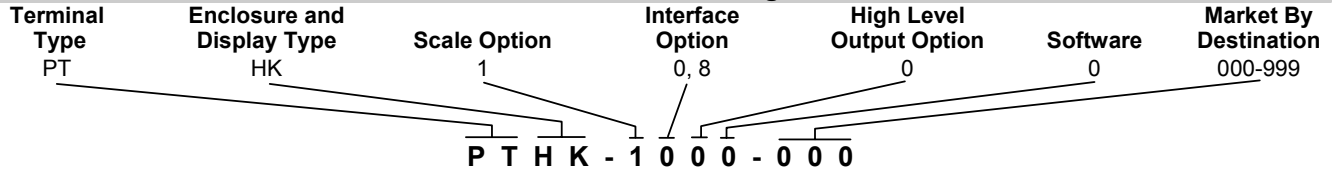
**Printer templates:** Configurable ticket format

#### External software:

MTConnections

# Instrumentation

## PANTHER PLUS Model Configuration



### PANTHER PLUS Enclosure and Displays

Order Number	Description
PTHK	Harsh Environment with VF Numeric Display

### PANTHER PLUS Scale Option

1	Analog Load Cell Scale Interface
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### PANTHER PLUS Interface Option

0	No Output Option
8	Analog Output (0-10 V or 4-20 mA)*

\* Cannot be used with **PANTHER PLUS** if powering more than four 350Ω analog load cells.

### PANTHER PLUS High-Level Output Option

0	No Output Option
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### PANTHER PLUS Software

0	Standard software
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### PANTHER PLUS Destination Market Codes

000	Market Code for USA
019	Market Code for Canada (English)
020	Market Code for Canada (French)
xxx	Codes for Other Markets Contact Customer Support

### PANTHER PLUS Option Slot Accessory

Order Number	Description
0917-0246	Analog Output Option

### PANTHER PLUS External Accessories

0961-0086	TYPE 4X (IP65) Fiberglass I/O Enclosure w/ 15' Cable for up to Four Modules (Order I/O Modules Separately)
0962-0035	AC High-Level Output Module, 24 to 280 VAC, 1A
0962-0038	DC High-Level Output Module, 5 to 60 VDC, 1A
0962-0044	Dry Contact Output Module, 10 VA Maximum
0962-0036	AC High-Level Input Module, 90 to 140 VAC
0962-0037	AC High-Level Input Module, 180 to 280 VAC
0962-0039	DC High-Level Input Module, 10 to 32 VDC

