EXPLOSION-PROOF ENCLOSURES & CONTROL STATIONS FOR PRECISION DIGITAL METERS
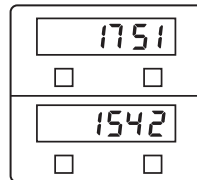

EXPLOSION-PROOF ENCLOSURES

These Explosion-Proof Enclosures are a safe and rugged way to mount digital panel meters in hazardous locations. One or two meter configurations are available. One 3/4" NPT conduit hole is standard. Two or more conduit holes are available by special order. The 2" pipe mounting kit model PDA6545 is available for the PDA2444, PDA2445, and PDA2446 Explosion-Proof Enclosures. Enclosures, accessories, and meters are ordered separately.
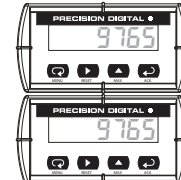
PDA2444

1 Type A, B, C, D or E Meter

PDA2445

2 Type B Meters

PDA2446

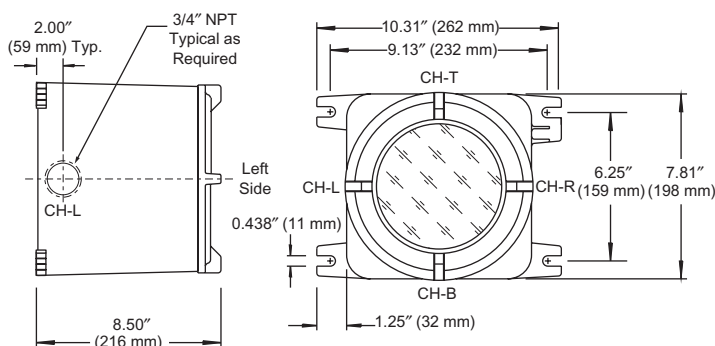2 Type A, C, D or E Meters

EXPLOSION-PROOF ENCLOSURES

Notes:
1. Enclosures with one ¾" NPT conduit hole are standard (CH-L).
2. Enclosures with two or more conduit holes are special order. User to specify location of holes (see table). Special order enclosures are non-cancelable and non-returnable.

Meter Types

Type	Meters
A	PD118, PD690, PD691, PD692, PD693, PD750, PD751, and PD752
B	PD542, PD543, and PD562
C	PD603, PD644, PD683, PD684, PD688, PD689, PD743, PD765, and PD865
D	PD138, PD154, and PD158
E	PD6000, PD6200, PD6300, and PD7000

ENCLOSURE DIMENSIONS

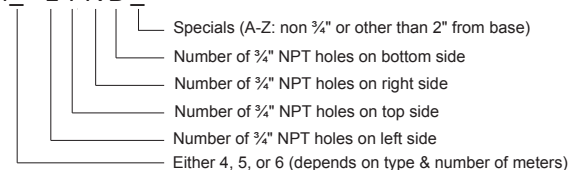Note: All dimensions are in inches and millimeters (mm)

ORDERING INFORMATION

Explosion-Proof Enclosures	
Model	**Conduit Hole Location**
PDA244(4,5 or 6)-1000	CH-L (Standard Product)
PDA244(4,5 or 6)-1010	CH-L & R
PDA244(4,5 or 6)-1110	CH-L, T & R
PDA244(4,5 or 6)-1111	CH-L, T, R & B
PDA244(4,5 or 6)-LTRB (A-Z)	Special (requires separate drawing & authorization form – please call)

Enclosures and meters are ordered and packaged separately.
Up to 4 conduit holes per side may be requested.

PDA244_ - L T R B _

- Specials (A-Z: non ¾" or other than 2" from base)
- Number of ¾" NPT holes on bottom side
- Number of ¾" NPT holes on right side
- Number of ¾" NPT holes on top side
- Number of ¾" NPT holes on left side
- Either 4, 5, or 6 (depends on type & number of meters)

Accessories	
Model	**Description**
PDA6545	2" Pipe Mounting Kit Zinc Plated Steel
PDA6545-SS	2" Pipe Mounting Kit Stainless Steel
PDA-SSTAG	PDA6545-SS

EXPLOSION-PROOF ENCLOSURES & CONTROL STATIONS FOR PRECISION DIGITAL METERS
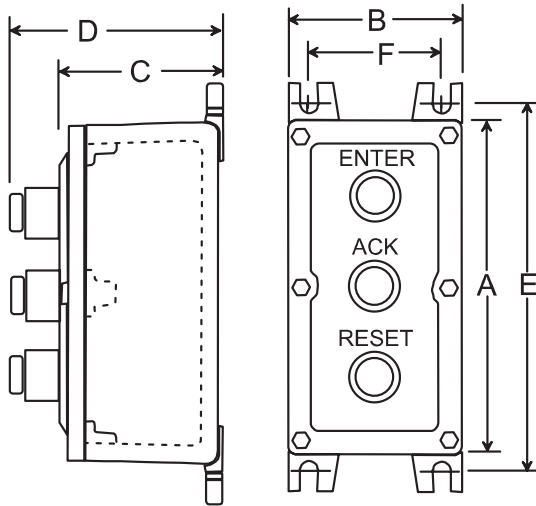

EXPLOSION-PROOF CONTROL STATION DIMENSIONS

These Explosion-Proof Control Stations can be used with explosion-proof meters or with digital panel meters that are mounted in explosion-proof enclosures. The Control Stations contain either 1, 2, or 3 switches that can be connected to terminals on Precision Digital meters to control various functions.

Samples

The **ENTER** button is used to configure the meter.
The **ACK** button is used to acknowledge the relays.
The **RESET** button is used to reset the total.
The **START** button is used to start a batch.
The **STOP** button is used to stop a batch.
The **SELECT** button is used to configure the meter.
The **CLEAR** button is used to clear.

CONTROL STATION DIMENSIONS

No. of Switches	Dimensions in Inches (mm)						Weight lb (kg)	Std Cond Size
	A	B	C	D	E	F		
1	4.5 (114)	4.5 (114)	4.19 (106)	6.19 (157)	5.5 (140)	3.25 (83)	4.5 (2.0)	¾"
2	7.0 (178)	4.5 (114)	4.19 (106)	6.19 (157)	8.0 (203)	3.25 (83)	6.0 (2.7)	¾"
3	8.0 (203)	4.5 (114)	4.19 (106)	6.19 (157)	9.0 (229)	3.25 (83)	6.75 (3.1)	¾"
Control Stations have conduit openings centered on top and bottom.								

Notes:

1. UL Listed & CSA Certified
2. NEMA 7 & 9
3. NEC Class I, Groups C & D; Class II, Groups E, F, & G
4. Material: Cast aluminum, 0.3% max copper content

ORDERING INFORMATION

Model	No. of Switches	Label
PDA2451-E	1	ENTER
PDA2451-R	1	RESET
PDA2451-A	1	ACK
PDA2452-ER	2	ENTER & RESET
PDA2452-EA	2	ENTER & ACK
PDA2452-SS	2	START & STOP
PDA2453-EAR	3	ENTER, ACK & RESET
PDA2453-ESC	3	ENTER, SELECT, & CLEAR
PDA2453-ESS	3	ENTER, START, & STOP

CLASSIFIED ENCLOSURES

WARNING: to prevent ignition of class i groups C atmospheres, all size conduit runs must have a sealing fitting connected within 3 inches of enclosure.

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