

April 2016

## Handles a Wide Array of Instrumentation

The **D-BOX**® accommodates temperature, pressure, level and flow transmitters, meters, indicators, analyzers, integrators, and many other head-mount and hockey-puck instruments.

## For Hazardous and General Locations

The **D-BOX** meets standards for enclosing indoor and outdoor electronic instruments approved for use in:

| U.S. Practice      | Division | European Practice  | Zone    |
|--------------------|----------|--------------------|---------|
| Intrinsically-Safe | 1, 2     | Ex "ia" (I.S. "a") | 0, 1, 2 |
| Non-Incendive      | 2        | Ex "ib" (I.S. "b") | 1, 2    |

## Safeguards Expensive Instruments

Designed to meet Type 4X, IP66 ratings, the **D-BOX** is resistant to ultraviolet rays and chemicals. Its high-impact materials protect instruments even when they must be installed in harsh field conditions.

## Replaces Costly Explosion-Proof Enclosures

At a fraction of the cost, the **D-BOX** provides the right level of protection in areas where explosion-proof certifications are not required.

## Clear and Solid Covers

Instrument indicators, such as process displays and alarm LEDs, can be clearly viewed without removing the **D-BOX** front cover. The solid cover is the answer for non-indicating instruments.

## Single and Multiple Instrument Models

The high body **D-BOX** handles high profile instruments, or an instrument and indicator mounted "piggyback". Low body models are ideal for low profile instruments.

## Standard Entry Ports and Fittings

The **D-BOX** is available with single and dual entry ports, and with standard conduit fittings. Models without entry ports and conduit fittings are also available.

## Surface and Pipe Mount Installation

Lightweight and easy to install, the **D-BOX** conveniently installs on a surface or 2-inch pipe.

## Custom Brackets for OEM Applications

Our team of engineers will work with you to design and provide any special installation hardware that may be required to integrate your instrument into the **D-BOX**.

U.S. Patent No. D395831. D-Box is a registered trademark of Moore Industries-International, Inc.



Low Body  
Clear Cover

*Demand Moore Reliability*

# D-BOX®

## Field-Mount Enclosure for Head-Mount & Hockey-Puck Instruments

### Specifications

|                        |                                                                                        |                            |                                                                                                                                                                      |                                    |                                                                                                                                   |
|------------------------|----------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Body</b>            | Copper-free aluminum with TGIC Polyester powdercoat                                    | <b>Conduit Fittings</b>    | <b>U.S. Standard:</b> 1/2-14 NPT female (die cast zinc)<br><small>*Other conduit fitting types and materials are available. Consult the factory for details.</small> | <b>Weight</b>                      | <b>Low Body (without conduit fittings):</b> 510 g (1lb, 2 oz)<br><b>High Body (without conduit fittings):</b> 794 g (1 lb, 12 oz) |
| <b>Cover and Bezel</b> | Polycarbonate (flame retardant to UL V-O and U.V. stabilized for extended outdoor use) | <b>Tag</b>                 | Anodized aluminum                                                                                                                                                    | <b>Standard Conduit Fitting:</b>   | 85 g each (3 oz each)                                                                                                             |
| <b>Body Screws</b>     | Stainless steel                                                                        | <b>Pipe Mount Hardware</b> | Saddle and U-bolt (zinc-plated CRS) for mounting on a standard 2-inch pipe                                                                                           | <b>2-inch Pipe Mount Hardware:</b> | 142 g (5 oz)                                                                                                                      |
|                        |                                                                                        |                            |                                                                                                                                                                      | <b>FM:</b>                         | NEMA 4X<br>IP66                                                                                                                   |

### How to Order

| Enclosure                                                                        | Number of Entry Ports and Conduit Fitting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Body Height                                                                                                            | Cover Type                                                                                             | Options                                                                                                                    |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>D-BOX</b><br>field-mount enclosure for head-mount and hockey-puck instruments | <b>1</b> One entry port with 1/2-inch NPT female conduit fitting<br><b>2</b> Two entry ports with 1/2-inch NPT female conduit fittings<br><b>0</b> Enclosure is supplied without drilled entry ports and without conduit fittings (specify for applications where installer will drill entry ports and supply conduit fittings)<br><b>NOTE:</b> Other entry port options (such as drilled entry ports without conduit fittings) and conduit fitting types are available. Consult the factory for details. | <b>L</b> Low body for a low profile instrument<br><b>H</b> High body for a high profile instrument or dual instruments | <b>S</b> Solid cover for non-indicating instruments<br><b>C</b> Clear cover for indicating instruments | <b>P</b> Hardware for mounting the <b>D-BOX</b> on a standard 2-inch pipe<br><b>*P</b> Pipe mounting hardware not required |

When ordering the **D-BOX** housing without instrumentation or as part of a line item order, specify:

Enclosure / Number of Entry Ports and Conduit Fitting Type / Body Height / Cover Type [Options]

*Model number example:*

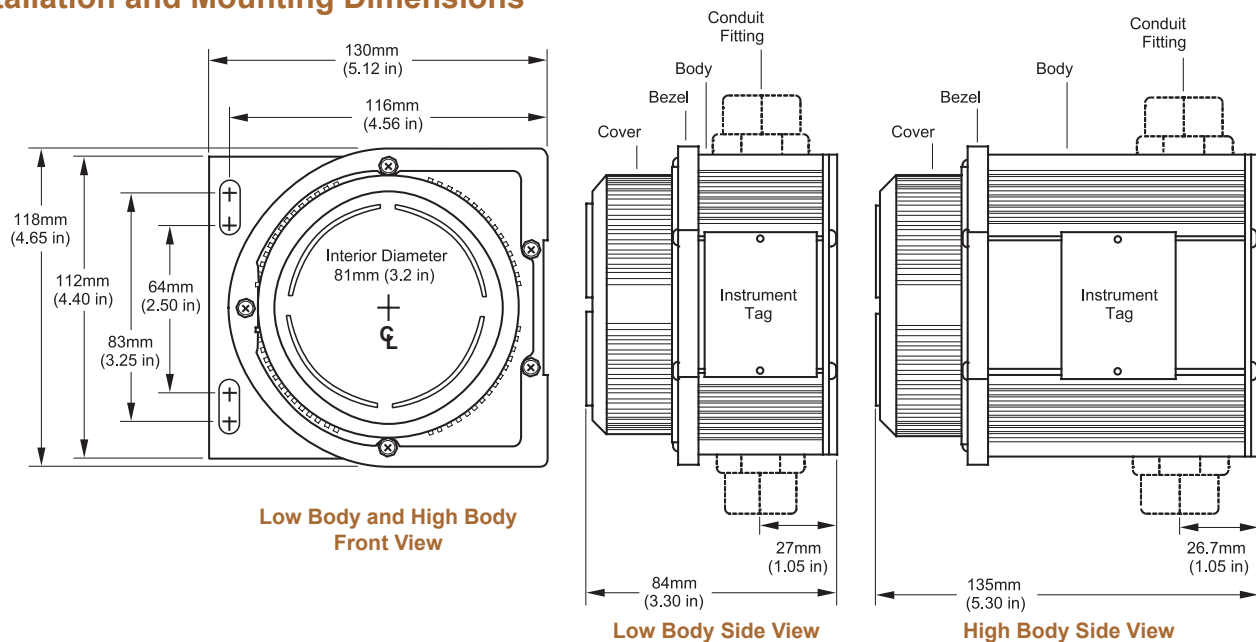
D-BOX / 2 / L / C [P]

When ordering the **D-BOX** housing as part of a transmitter order (such as a TDZ<sup>3</sup>), place this condensed model number (with brackets or strokes removed) within brackets at the end of the transmitter model number or refer to the transmitter data sheet (use D for D-BOX):

*Model number example:*

TDZ3 / TPRG / 4-20MA / 12-42DC [D2LCP]

### Installation and Mounting Dimensions



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Specifications subject to change without notice. Printed in U.S.A.