



Clear Glass Cover

Solid Metal Cover

For Explosion-Proof/Flameproof and General Locations

The **BH** housing provides superior explosion-proof/flameproof protection for field-mounted units and meets standards for enclosing indoor and outdoor electronic instruments approved for use in explosion-proof, flameproof, dust-ignition proof and intrinsically-safe locations.

Safeguards Expensive Instruments

Meeting NEMA 4X and IP66 ratings, the **BH** housing is resistant to ultraviolet rays and chemicals. Its high-impact structure protects instruments even in harsh field conditions.

Durable, Secure Glass or Metal Cover

Instrument indicators, such as process displays and alarm LEDs, can be easily viewed without removing the clear glass cover (**G** cover). Both the glass and metal covers include a locking screw for security.

Variety of Hub Configurations

Moore Industries provides a variety of conduit entry ports for the **BH** housing. Choose from 2- or 3-hub configurations that include combinations of M20 ports, 1/2-inch and 3/4-inch NPT ports.

Surface or Pipe-Mount Installation

Lightweight and easy to install, the **BH** housing installs conveniently on any surface using the standard mounting bracket, or on a 2-inch pipe using our pipe mount hardware (**P** option).

Retrofit Hardware Available

Upgrade your existing transmitters, displays, isolators, or converters to the newest Moore Industries' technology, or use the **BH** housing with your in-place units. Installation kits for mounting the **BH** on existing Rosemount® brackets are available.

Handles a Wide Array of Instrumentation

The versatile construction of the **BH** housing makes it ideal for use with any manufacturer's hockey-puck units. It protects any Moore Industries' hockey-puck instrument, including the following products:

Temperature Transmitters	RIY, STZ, TDZ3, TDY, TIY
Isolators / Converters / Transmitters	ACX, ALX, ITX, SCX, SDY, MVX, TFZ, TPZ
Displays	DSX, DVX, FDY, PSD

BH

Explosion-Proof/Flameproof Field-Mount Enclosure for Hockey-Puck Instruments

Specifications

Body and Cover	Low Copper aluminum with a chromatic conversion seal undercoat and a TGIC Polyester powdercoat	Hardware	2" pipe mount	Mounting Bracket	Low Copper aluminum with black sulfuric acid anodized finish
		Tag	Anodized aluminum		
				Weight	1.23 kg (2 lbs., 12 oz)

Ordering Information

Enclosure	# of Hubs	Conduit Entry Port	Cover	Options
BH explosion-proof/ flameproof field-mount enclosure for hockey-puck instruments	2 Two hubs 3 Three hubs	M M20 x 1.5 metric conduit side entry ports N ½-inch NPT conduit side entry ports T ¾-inch NPT conduit side entry ports NOTE: For all enclosures, the third hub will only be ½-inch NPT	G Glass S Solid	A TestSafe-ANZEx (Australia) Flameproof with sensor assemblies [†] E ISSeP-ATEX (Europe) Flameproof with sensor assemblies [†] P Steel hardware for mounting the BH housing on a standard 2-inch pipe NOTE: For additional retrofit hardware for installing the BH onto existing Rosemount [®] brackets, order part number 205-231-10 . [†] Units with A or E option come equipped as standard with 2-inch pipe mount hardware.

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

Enclosure / Number of Hubs / Conduit Entry Port / Cover [Options]

Model number example:

BH / 2 / N / G [P]

When ordering the **BH** housing as part of a transmitter order (such as a TDZ³), 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:

Model number example:

TDZ3 / TPRG / 4-20MA / 12-42DC [BH2NGP]

Certifications (BH housing only)



CSA International

Explosion-Proof*

Class I, Division 1, Groups A*, B, C, D
Class II, Division 1, Groups E, F, G
Class III, Division 1
Type 4X, IP66

ANZEx

Test Safe - ANZEx (Australia) Flameproof

Ex d IIC T6 (Tamb 60°C)
ANZEx 07.3027



Factory Mutual Approvals

Explosion-Proof*

Class I, Division 1, Groups A*, B, C, D
Dust-Ignition Proof
Class II & III, Division 1, Groups E, F, G
NEMA 4X; IP66; T6 @ 60°C_{Max. Amb.}



ATEX Directive 2014/34/EU (ISSeP): Flameproof

⊕ II 2 G Ex d IIC
II 2 D Ex tD A21 IP66



CE Conformant:

RoHS Directive 2011/65/EU - EN 50581

*Group A only: Seal all conduits within 18".

Figure 1. BH enclosure dimensions with pipe mounting for BH2.

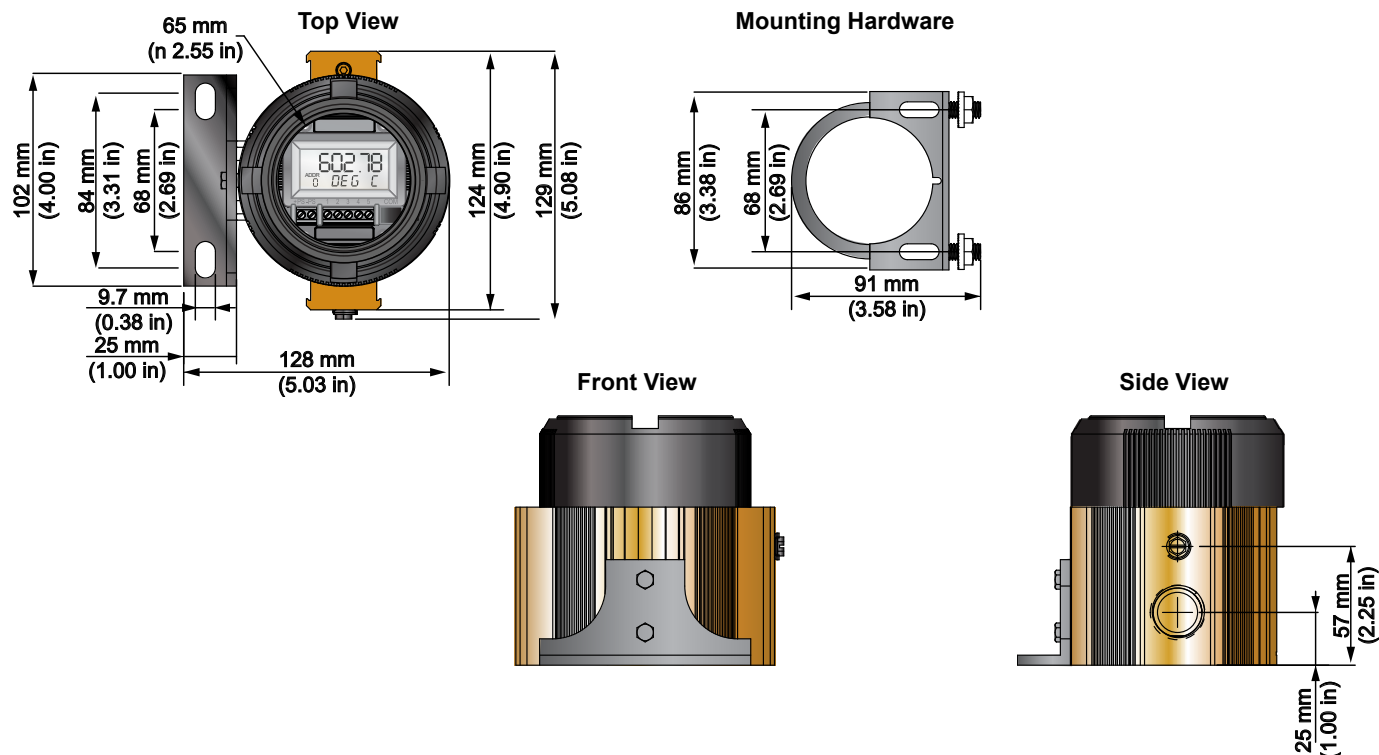


Figure 2. BH enclosure dimensions with three hubs and pipe mounting for BH3.

