EIH Instrument Enclosures

Cl. I, Div. 1 & 2, Groups B†, C, D Cl. II, Div. 1, Groups E, F, G Cl. II, Div. 2, Groups F, G CI. III NEMA 3, 4, 4X, 7B+CD, 9EFG Ex d IIB. IP66 ATEX Certified

Explosionproof **Dust-Ignitionproof** Raintight Wet Locations Watertight

Applications:

EIH instrument enclosures are used:

- To enclose instrumentation and control devices such as two-wire transmitters, flow measurement devices, temperature controls, level detectors, pressure switches, etc.
- · As an outlet box for pulling and splicing conductors
- In hazardous, abusive and wet locations
- To provide access to conductors for maintenance and future system changes

Features:

- 3/4" offset through feed hubs offer maximum interior space and greater working area
- 2" and 4" deep covers, solid or with glass lens
- · Internal mounting pads for instrument mounting
- Internal ground screw for safe, continuous grounding
- Neoprene gasket provides a watertight seal for NEMA/EEMAC 4 and UL/CSA Type 4 applications
- Wrenching lugs permit easy cover removal and tightening
- Internal cover threads provide additional space inside body
- · External boss is suitable for drilling and tapping an additional conduit entry

Certifications and Compliances:

• NEC/CEC:

Class I, Division 1 & 2, Groups B†, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III

- NEMA/EEMAC: 3, 4, 4X, 7BCD, 9EFG
- UL Standard: 1203
- CSA Standard: C22.2 No. 30
- FM Classification No.: 3615
- ATEX Certificate KEMA 02 ATEX 2265U (requires ATEX suffix)
- IEC Standards EN:60079-0, EN:60079-1, EN:60529

Standard Materials:

- Body and cover copper-free aluminum
- Glass lens heat tempered glass
- Gasket neoprene

Standard Finishes:

Corro-free™ epoxy powder coat (gray)

Options:

Description	Suffix
Cast mounting feet	MF
Natural finish - Consult Eaton's Crouse-Hinds	
Additional drilled and tapped opening in external boss:	
1/2"	1
3/4"	2

With ATEX certificationATEX



EIH22



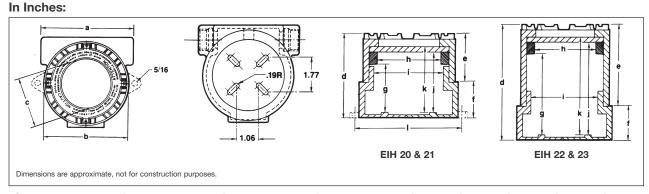
FIH21

Ordering Information:

Hub Size*	Description	Cat. #
3/4	Body with 2" standard cover	EIH20
3/4	Body with 2" glass lens cover	EIH21
3/4	Body with 4" dome cover	EIH22
3/4	Body with 4" glass lens	EIH23
	dome cover	

*For 1/2" hub size, use RE21-SA.

Dimensions



Cat. #	а	b	С	d	е	f	g	h	i	j	k	I
EIH20	5.00	4.25	_	4.54	2.60	1.94	_	_	3.62	_	3.34	5.25
EIH21	5.00	4.25	2.60	4.54	2.60	1.94	2.75	2.61	3.62	3.10	_	5.25
EIH22	5.00	4.25	_	6.54	4.60	1.94	_	_	3.62	_	5.34	5.25
EIH23	5.00	4.25	2.60	6.54	4.60	1.94	4.68	2.61	3.62	5.03	_	5.25

† For Group B applications, seal within 11/2 of enclosure in accordance with Sections 501-5 of the National Electrical Code® as well as any other applicable codes.

EIHT Instrument Enclosures 1E

Cl. II, Div. 1, Groups E, F, G Cl. II, Div. 2, Groups F, G CI. III

NEMA 3, 4, 7B+CD, 9EFG

Cl. I, Div. 1 & 2, Groups B+, C, D Explosionproof **Dust-Ignitionproof** Raintight Wet Locations Watertight

Applications:

EIHT instrument enclosures are used:

- To enclose instrumentation and control devices such as two-wire transmitters, flow measurement devices, temperature controls, level detectors, pressure switches, etc.
- · As an outlet box for pulling and splicing conductors
- In hazardous, abusive and wet locations
- · To provide access to conductors for maintenance and future system changes

Features:

- 3/4" offset through feed hubs offer maximum interior space and greater working area
- 2" and 4" deep covers, solid or with glass lens
- Internal mounting pads for instrument mounting
- Internal ground screw for safe, continuous grounding
- · Neoprene gasket provides a watertight seal for NEMA/EEMAC 4 and UL/CSA Type 4 applications
- · Wrenching lugs permit easy cover removal and tightening
- · Internal cover threads provide additional space inside body
- · External boss is suitable for drilling and tapping an additional conduit entry
- Two separate chambers for isolation of power supply and instrument
- 3/4" hub on instrument side
- Third party certified for drilling enclosure wall between instrument and power side

Certifications and **Compliances:**

• NEC/CEC:

Class I, Division 1 & 2, Groups B†, C, D Class II, Division 1, Groups E, F, G Class II, Division 2, Groups F, G Class III

- NEMA/EEMAC: 3, 4, 7B†CD, 9EFG
- UL Standard: 1203
- CSA Standard: C22.2 No. 30
- FM Classification No.: 3615
- IEC Standards EN:60079-0, EN:60079-1, FN:60529

Standard Materials:

- Body and cover copper-free aluminum
- Glass lens heat tempered glass
- Gasket neoprene

Standard Finishes:

Corro-free[™] epoxy powder coat (gray)

Options:

Description Suffix Additional drilled and tapped opening in external boss:

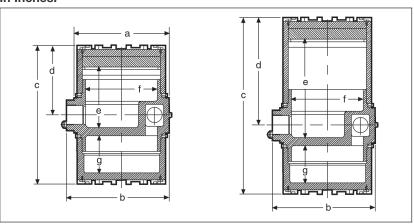
1/2"	1
3/4"	2
Natural finish	
	Crouse-Hinds



Ordering Information:

Hub Size*	Description	Cat. #
3/4	2" Blank Cover - Power Side 2" Blank Cover - Instrument Side	EIHT200
3/4	2" Blank Cover - Power Side 2" Glass Lens Cover - Instrument Side	EIHT210
3/4	2" Blank Cover - Power Side 4" Blank Cover - Instrument Side	EIHT220
3/4	2" Blank Cover - Power Side 4" Glass Lens Cover - Instrument Side	EIHT230

Dimensions In Inches:



Cat. #	a	b	С	d	е	f	g
EIHT200	4.75	5.19	6.95	3.48	3.15	3.56	1.87
EIHT210	4.75	5.19	6.95	3.48	3.15	3.56	1.87
EIHT220	_	5.19	8.95	5.48	5.15	3.56	1.87
EIHT230	_	5.19	8.95	5.48	5.15	3.56	1.87

† For Group B applications, seal within 11/2 of enclosure in accordance with Sections 501-5 of the National Electrical Code® as well as any other applicable codes.

*For 1/2" hub size, use RE21-SA.