

MEDC Series



XB16



XB15 Pipe Mount (with cast guard)

These listed strobes have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The enclosures are suitable for use offshore or onshore, where a lightweight product combined with corrosion resistance is required.

The housing is manufactured from a U.V. stable, glass reinforced polyester, with the lens manufactured from a U.V. stable polycarbonate. Stainless steel screws are used, ensuring a totally corrosion-free product.

The strobes contain supervisory diode and four wire leads for fire alarm applications. This strobe is also available UL 1971 (ADA) Listed for hearing impaired applications.

Units can be painted to customer specification and supplied with identification labels.

Applications:

- Condition signaling
- Security alert
- Equipment obstruction warning
- Emergency evacuation signaling

Features and Benefits:

- Pipe mount with 1/2" NPT entry
- Corrosion resistant GRP enclosure
- XB16 580,000 peak candlepower
XB15 520,000 peak candlepower
- Polycarbonate lens, various colors available†
- 4 wire diode monitored board
- Optional relay initiate
- Optional lens guard

†UL 1971 version available with clear lens only (XB16 only).

*Conforms to UL regulated voltage.

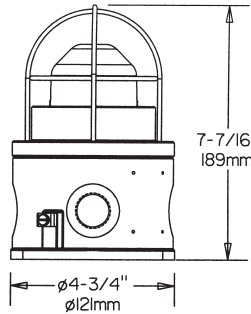
Certifications and Compliances:

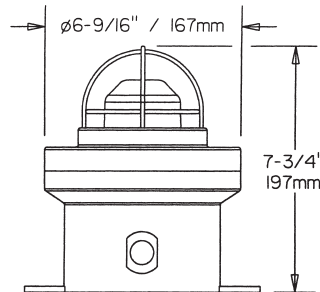
- UL Listed for USA and Canada
 - Hazardous locations for USA and Canada
Class I, Div. 2, Groups A, B, C, D*
UL 1971 compliant version available
 - Ordinary locations: Visual Signal Device
- NEMA 4X and 6, IP66 & 67
- Certified temperature
 - 67°F to +158°F
 - 55°C to +70°C

Typical Industries:

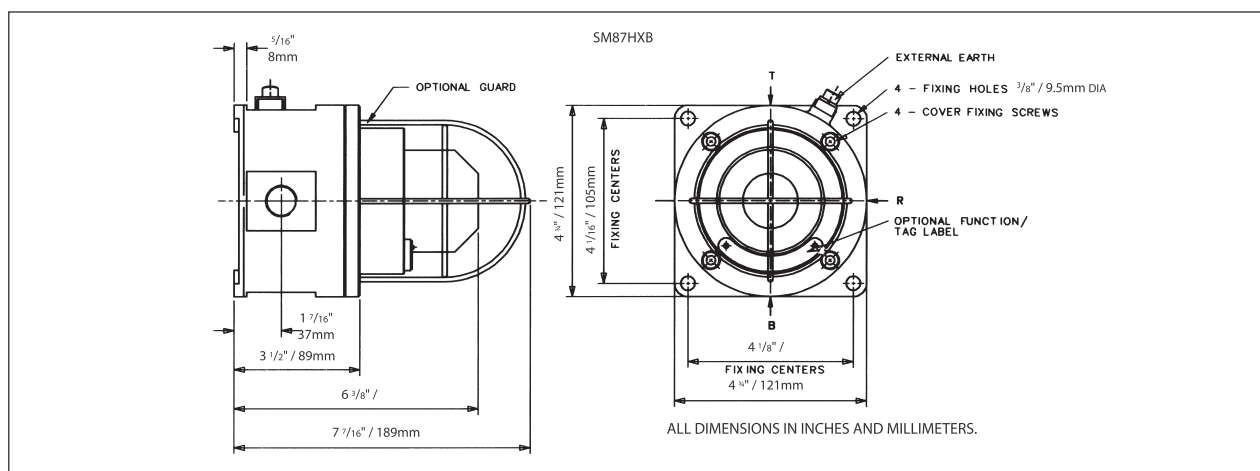
- Utility gas plants
- Wastewater treatment plants
- Mining
- Petroleum refineries
- Chemical and petrochemical
- Pulp and paper

MEDC Series

SM87 HXB		5 Joule Xenon Strobe—Explosionproof			
	Certification UL Listed for:	cULus, CSA, ATEX Class I, Div. 1, Groups C, D Class I, Zone 1			
	Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C			
	Ingress Protection	NEMA 4X & 6 IP66 & 67			
	Material	Alloy			
	Entries	Up to 2 × ½" or ¾" NPT, M20, M25			
	Weight	4.4lb/2.0kg approx.			
	Options	Body & lens color, certification, lens guard, voltages 24–48V DC, 110–254V AC			
Certification	Voltage	Lens Color	Ordering Code	Cat. #	Standard Product Configuration
ATEX EX II 2GD	24V DC	Red	813005	SM87HXBAB024RN1R1LNNR	5 joules, 2 × M20 Entries, 29Cd, Exd IIc
ATEX EX II 2GD	24V DC	Amber	813006	SM87HXBAB024AN1R1LNNR	
ATEX EX II 2GD	240V AC	Red	813007	SM87HXBAB240RN1R1LNNR	7 joules, 2 × M20 Entries, 39Cd, Exd IIc
ATEX EX II 2GD	240V AC	Amber	813008	SM87HXBAB240AN1R1LNNR	
ATEX EX II 2GD	24V DC	Red LED	813009	SM87LEDAB024RN1R1LNNR	192Cd, 2 × M20 Entries, Exd IIc
UL, cUL Listed, Class I, Div. 1, Groups C, D	24V DC	Red	869161	SM87HXBAL024RN3R3LNNR	Standard models are in alloy, red body color, no tag or duty labels, 2 × ½" NPT entries, 29Cd, 60 flashes per minute
UL, cUL Listed, Class I, Div. 1, Groups C, D	24V DC	Amber	869162	SM87HXBAL024AN3R3LNNR	
UL, cUL Listed, Class I, Div. 1, Groups C, D	110V AC	Red	869165	SM87HXBAL110RN3R3LNNR	Standard models are in alloy, red body color, no tag or duty labels, 2 × ½" NPT entries, 32Cd, AExd IIB, 60 flashes per minute
UL, cUL Listed, Class I, Div. 1, Groups C, D	110V AC	Amber	869166	SM87HXBAL110AN3R3LNNR	

XB11		5 Joule Xenon Strobe—Hazardous Locations				
	Certification UL Listed for:	cULus, ATEX Class I, Div. 2, Groups C, D Class I, Zones 1 & 2, AExd IIB T5				
	Certified Ambient Temperature	-67°F to +158°F -55°C to +70°C				
	Ingress Protection	NEMA 4X & 6 IP66 & 67				
	Material	Corrosion-free GRP				
	Entries	2 × ½" NPT, 20mm				
	Weight	2.6lb/1.2kg				
	Options	Body & lens color, voltages 24V DC, 110–254V AC				
Certification	Voltage	Body Color	Lens Color	Ordering Code	Cat. #	Standard Product Configuration
UL, cUL Listed, Class I, Div. 2, Groups C, D	24V DC	Red	Red	869171	XB11UL02406RNBNNNNR	No tag or duty labels, 2 × ½" NPT entries, 60 flashes per minute
UL, cUL Listed, Class I, Div. 2, Groups C, D	24V DC	Red	Amber	869172	XB11UL02406ANBNNNNR	
UL, cUL Listed, Class I, Div. 2, Groups C, D	24V DC	Natural Black	Clear	869173	XB11UL02406CNBNNNNR	
UL, cUL Listed, Class I, Div. 2, Groups C, D	24V DC	Red	Clear	869174	XB11UL02406CNBNNNNR	
UL, cUL Listed, Class I, Div. 2, Groups C, D	110V AC	Red	Red	869175	XB11UL11006RNBNNNNR	GRP, natural black body, no tag or duty labels, backstrap mounting, 2 × M20 entries, 60 flashes per minute
ATEX EX II 2GD	24V DC	Natural Black	Red	811101	XB11B02406RNBNNNNN	
ATEX EX II 2GD	24V DC	Natural Black	Amber	811102	XB11B02406ANBNNNNN	
ATEX EX II 2GD	24V DC	Natural Black	Red	811103	XB11B24006RNBNNNNN	
ATEX EX II 2GD	24V DC	Natural Black	Amber	811104	XB11B24006ANBNNNNN	

MEDC Series



Specification—SM87HXB Unit

Certification: UL Listed for USA and Canada for Class I, Div. 1, Groups C, D and Class I, Zone 1. Listing No. E187894.

CSA Certification:
to C22.2, Nos. 0, 0.4, 0.5, 9, 30-M 1986,
94-M91, 137-M 1981, Class I, Div. 1, Group 0,
Enclosure 3/4, Cert. No. 96406.

ATEX approved:
EN50014, EN50018, EN50019
Cert. No. Baseefa 03ATEX0222, Exd IIC T6

Material: LM25 TF Marine Grade Alloy
Lens: Toughened Glass

Finish: Epoxy paint finish as standard or to customer's specification

Weight: 5.5lb/2.5kg. approx.

Certified Temperature: Standard unit SM87 HXB:
-67°F to +158°F, -55°C to +70°C
High temperature unit:
-67°F to +185°F, -55°C to +85°C

Ingress Protection: NEMA 4X & 6, IP66 & 67

Terminals: 4 off suitable for up to 14AWG conductor size

Labels: Duty & tag labels optional

Entries: Up to 4 off 1/2" or 3/4" NPT

Voltage	DC		AC 50/60Hz			
	24	48	110	120	240	254
Tube Energy (joules)	5	5	6	7	7	8
Peak Current Consumption (mA)	320	170	250	275	135	150
Power Consumption (Watts)	7.2	7.6	25	27	27	35
Effective Intensity (Cd)	29	29	32	39	39	44
Peak Candle Power	22213	22213	25061	30187	30187	34174

The above figures (Cd) are for a clear lens @ 1Hz flash rate.

For Colored Lenses

Color	Red	Blue	Amber	Green	Yellow
Multiplying Factor	0.15	0.12	0.51	0.49	0.86

The photometric data has been independently verified.
A report is available if required.

Ordering Requirements

The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

Model	Material	Certification	Voltage	Lens/LED color	Lens Guard	Entries	Tag/Duty Label	Initiate Option	Finish
SM87HXB							N	N	R

Type	Code	Color	Code	Guard	Code	Entries	Code
Alloy	A	Red	R	Yes	Y	20mm Left/Right	1L1R
Stainless Steel	S*	Blue	B	No	N	20mm Top/Bottom	1T1B
		Green	G			20mm Bottom	1B
		Amber	A			25mm Left/Right	2L2R
		Yellow	Y			25mm Top/Bottom	2T2B
		Clear	C			25mm Bottom	2B
						1/2" NPT Left/Right	3L3R
						1/2" NPT Top/Bottom	3T3B
						1/2" NPT Bottom	3B
						3/4" NPT Left/Right	4L4R
						3/4" NPT Top/Bottom	4T4B
						3/4" NPT Bottom	4B

Certification	Code	Voltage	Code
ATEX	B	24V DC	024
UL	UL	110V AC	110
CSA	C	120V AC	120
Only HXBS is available CSA certified.		220V AC	220
		240V AC	240

*Not UL Listed