

# INTRINSICALLY SAFE ALARM IS-AB SERIES

## 1. ENVIRONMENTAL CONDITIONS

- Outdoor, -40 to +60°C, 2000m elevation.
- Suitable for Class I, Div. 1 Hazardous Locations. See “INSTRUCTIONS” for list of all the applicable standards met.

## 2. SPECIFICATIONS

MATERIALS	
Enclosure material	PVC
Lens material	Lexan
Push button	Plastic operator
Screws for enclosure cover	316 stainless steel
Buzzer diaphragm	316 stainless steel
Buzzer casing	PPE (Norpex AX-190)
Buzzer gasket	BUNA rubber
Cord Grip	Nylon
Cover gasket	PVC
PHYSICAL PROPERTIES	
Buzzer volume (SPL)	101 dB @ 2 ft
Operating temp (ambient)	-40 to 60°C (-76-140°F)
Maximum temp. (liquid)	149°C [300°F]
Ingress protection	IP65
Weight (IS-AB with 10 ft cable only no level probe)	664 g
BATTERY	
Battery chemistry	Lithium Thionyl Chloride
Battery capacity	2400 mA-hr
Battery pack voltage	7.2VDC
Lithium weight	1.2g (per pack of 2 cells)

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	FLOAT SWITCHES				
MATERIAL	S.G.	MAX. TEMP.	FLOAT	STEM	CLIPS
Stainless	0.75	300°F	316 SS	316 SS	PH 15-7 Mo
BUNA	0.60	200°F	BUNA	316SS	PH 15-7 Mo
Polypropylene	0.60	200°F	PP	PP	PP
PTFE	0.85	300°F	PTFE	PTFE	PTFE

ELECTRICAL	
Relay carrying current	80mA maximum
Current consumption during alarm	30mA
Float switch behavior	N.C. (open during alarm)
Cable capacitance (optional)	30pf/ft

### 3. DIMENSIONS

NOMINAL SIZE OF PROBE (inches)	ACTUAL WORKING DEPTH (inches)	TOTAL PROBE LENGTH (inches)
10	10	14
20	20	24
30	30	34
40	40	44
50	50	54

