

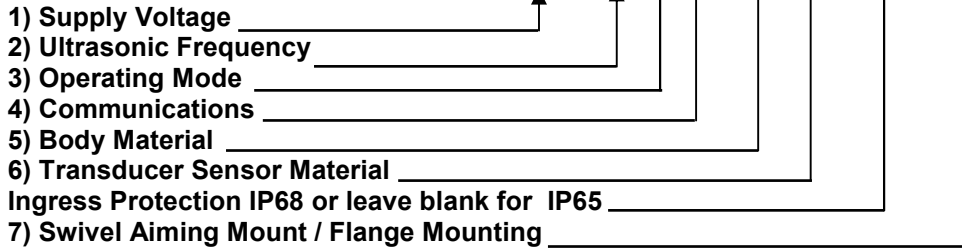
Catalogue Numbering Structure - Ultrasonic Sensors



730 The Kingsway Peterborough , Ont. K9J6W6 Canada
 Tel: (705) 740 – 2010 Web: www.abmsensor.com
 Fax: (705) 740 – 2563 E-mail: info@abmsensor.com

CATALOGUE NUMBER STRUCTURE

1) 2) 3) 4) 5) 6) 7)
 ABMXXX - XXXYYCX - XXYYY - IP68 - XXXX



ABM Code Eg. **ABM400-148ULC0-PVS15**
 1) Supply Voltage: AC 115V - 400 AC 230V - 430 DC 12-30V - 300 Loop Powered DC 12-28V - 200
 ABM 115volt 148KHz ultrasonic probe no communications PVC body & Sanitary Nozzle 1.5" Tri clamp mounting

2) Frequency/Range:

Freq.	Ultrasonic Range	ABM Code
25KHz	1.4' - 90 ft.	025
	0.40 - 27.4 m	
45KHz	1.0' - 60 ft.	045
	0.30 - 18.2 m	
52KHz	0.9' - 50 ft.	052
	0.27 - 15.2 m	
70KHz	0.8' - 30 ft.	070
	0.24 - 9.1 m	
80KHz	0.7' - 20 ft.	080
	0.21 - 6.1 m	
81KHz	0.6' - 16 ft.	081
	0.18 - 4.9 m	
148KHz	0.4' - 9 ft.	148
	0.12 - 2.7 m	

Sanitary Mounting Option Available

ABM Code

3) Operating Mode : Ultrasonic Probe - UL
 Miniprobe UM - UM

ABM Code
 4) Communications : RS485 - 4
 RS232 - 2
 None - 0

5) Body Material : **ABM Code**
 Ultrasonic Standard PVC - PV
 Ultrasonic High Temperature CPVC - CP
 Optional Ultrasonic Aluminum - AL

ABM Code

6) Sensor Material Ultrasonic: Standard - Sensor PVC - PVC
 Optional - High Temp. Teflon - TEF
 Sanitary Mtg. Std. Temp. - 2" Tri clamp PVC - S20 For High Temp. / Pressure Sanitary Mtg. add - HTP
 - 1.5" Tri clamp PVC - S15 For High Temp. / Pressure Sanitary Mtg. add - HTP

Miniprobe Mounting Adaptor: Optional PVC 1" - 3/4" NPT - A34
 Optional PVC 1" - 1/2" NPT - A12

ABM Code
 Miniprobe Optional :Relay Ultrasonic - REL
 Ultrasonic Optional :Sensor High Temp. & Pressure - HTP

7) Swivel Aiming Mount : 8" O.D., 7.0" Bolt Circle - 6 @ 1/4" Dia. Holes C/W 3" Sensor Mtg. Hole - AIM3
 Flange Mount : 9" O.D., 7.5" Bolt Circle - 6 @ 3/4" Dia. Holes C/W 6" Sensor Mtg. Hole - FLA6
 9" O.D., 7.5" Bolt Circle - 6 @ 3/4" Dia. Holes C/W 3" Sensor Mtg. Hole - FLA3

A) Relay Controller :ABM XXX XRCON - TST — "Tank Strapping Table" 33 Point
 3 Three Relays
 6 Six Relays
 AC/DC Power Code per #1 above.

Loop Powered Display : LPD - XX - 02
 Code: Probe Mount - PM or Wall Mount - WM

B) Open Channel Meter : ABM XXX OCM
 AC/DC Power Code per #1 above.

C) For special custom orders please call directly Tel. (705) 740-2010

Catalogue Numbering Structure - Standard "Smart" Radar Sensors



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CATALOGUE NUMBER STRUCTURE

1) 2) 3) 4) 5) 6) 7) 8) 9)
 ABMXXX - XXXR5CX - XYYYY - IP68 - XEX - NA - XXXX

- 1) Supply Voltage
- 2) Radar Range
- 3) Radar Frequency
- 4) Communications
- 5) Body Material
- 6) Antenna Material
- Ingress Protection IP68 or leave blank for IP65
- 7) Radar Optional Extensions
- 8) Radar Explosion Proof (next page)
- 9) Swivel Aiming Mount / Flange Mounting

1) Supply Voltage: ABM Code Eq. ABM400-050RLC2-ALAPP
 AC 115V - 400 ABM 115volt radar 50 foot range with 232 communications
 AC 230V - 430 and Aluminum body standard polypropylene antenna
 DC 12-30V - 300
 Loop Powered DC 16-30V - 200

2) Range:

Radar Range	ABM Code
* - 17 Ft	
* - 5 m	017
* - 33 Ft	
* - 10 m	033
* - 50 Ft.	
* - 15 m	050
* - 100 Ft.	
* - 30 m	100
* - 140 Ft.	
* - 42 m	140
* - 240 Ft.	
* - 73 m	240

Note - * 5.8 & 6.3 GHz - Minimum Distance Starts at the Lower Tip of Antenna.
 * 26 GHz - Minimum Distance Starts at 36" from the bottom of the mounting thread base.

3) Radar Frequency : ABM Code
 6.3 GHz - R6
 5.8 GHz - R5
 26 GHz - R2
 Mini radar 26 GHz - M2

4) Communications : ABM Code
 RS485 - 4
 RS232 - 2
 HART 7 - H

5) Body Material : ABM Code
 Radar Std. Aluminum - AL
 Radar Anodized Al. - AN
 Radar Optional 316 S.S.- SS

6) Antenna Material Radar : ABM Code

Standard	- Antenna Polypropylene	- APP
Optional	- Antenna Teflon	- ATE
	- High Temp. Teflon	- HTE (c/w De-coupler) Includes Teflon antenna and 1 1/2" - 2" NPT Teflon De-coupler.
	Sanitary Mtg.- 2" Tri clamp	- S20 PTFE Teflon Material
	Horn - 2" Dia. Horn	- HR2 (26GHz Only)
Flood Monitor	Horn - 4" Dia. Horn	- HR4 (used for 6 GHz & 26 GHz flood monitoring)
	Horn - 5" Dia. Horn	- HR5 (used for 26 GHz as extension for HR2)
	Horn - 6" Dia. Horn	- HR6 (used for 6 GHz radar)
	Horn - 6" Dia. High Temp.	- HT6 (used for 6 GHz radar ,see note below)
	Horn - 2" Dia. ,5" Dia. High Temp.	- HT2,HT5 (used for 26 GHz ,see note below)

Note - High temperature radar units with horns use 2" to 3" NPT Teflon De-coupler.
 - TD2 1.5" to 2" Teflon De-coupler
 - TD3 2" to 3" Teflon De-coupler

Mounting Adaptors

ABM Code

7) Radar Optional: Antenna Built in Extension 1.5" - ATL
 Antenna Extension Teflon 6" - AE6
 Antenna Extension Teflon 8" - AE8
 Radar Interface Detector - RID

—use with Teflon antennas only

8) Explosion Proof : Radar Explosion Proof Class 1 Div. 1 ABM300 - XXXYYCX - XYYYY - AEX - EXP per next page.

9) Swivel Aiming Mount : 8" O.D. ,7.0" Bolt Circle 6 @ 1/4" Dia. Holes C/W 3" Sensor Mtg. Hole - AIM3
Flange Mount : 9" O.D. ,7.5" Bolt Circle 6 @ 3/4" Dia. Holes C/W 6" Sensor Mtg. Hole - FLA6
 9" O.D. ,7.5" Bolt Circle 6 @ 3/4" Dia. Holes C/W 3" Sensor Mtg. Hole - FLA3
 13.5" O.D.,11.75" Bolt Circle 8 @ 0.8" Dia. Holes - FLA8

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CATALOGUE NO. Rev. 21

Catalogue Numbering Structure

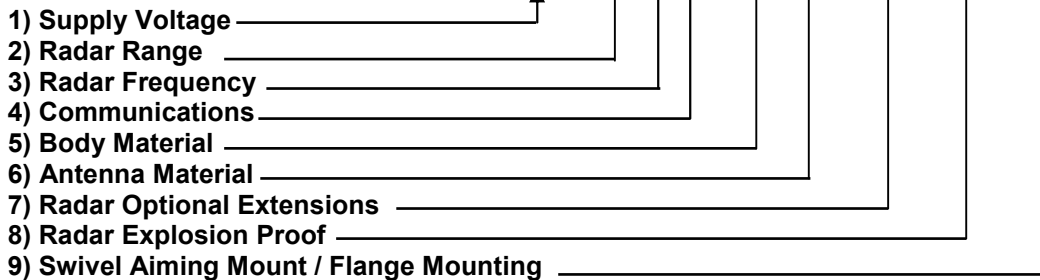
- Explosion Proof "Smart" Radar Sensors



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 ABMXXX - XXXR5CX - XXYYY - XEX - EXP - XXXX



ABM Code
 1) Supply Voltage: DC 12-30V - 300 - Three Wire
 DC 16-30V - 200 - Two Wire (Loop Powered)

2) Range:

Radar Range	ABM Code
* - 17 Ft	
* - 5 m	017
* - 33 Ft	
* - 10 m	033
* - 50 Ft.	
* - 15 m	050
* - 100 Ft.	
* - 30 m	100
* - 140 Ft.	
* - 42 m	140
* - 240 Ft.	
* - 73 m	240

Note - * 5.8 & 6.3 GHz - Minimum Distance Starts at the Lower Tip of Antenna.

ABM Code
 3) Radar Frequency : 6.3 GHz - R6
 5.8 GHz - R5

ABM Code

4) Communications : RS485 - 4
 RS232 - 2
 HART 7 - H (2 Wire only)

5) **Body Material :** **ABM Code**

Radar Std. Aluminum - AL
 Radar Optional 316 S.S.- SS

ABM Code

6) **Antenna Material Radar :** Standard - Antenna Polypropylene - APP
 Optional - Antenna Teflon - ATE
 - High Temp. Teflon - HTE (c/w De-coupler) Includes Teflon antenna and 1 1/2" - 2" NPT Teflon De-coupler.
 Sanitary Mtg.- 2" Tri clamp - S20
 Horn - 6" Dia. Horn - HR6 (used for 6 GHz radar)
 Horn - 6" Dia. High Temp. - HT6 (used for 6 GHz radar ,see note below)

7) **Radar Optional:**

Antenna Extension Teflon 6" - AE6
 Antenna Extension Teflon 8" - AE8



8) Explosion Proof : Radar Explosion Proof Class 1 Div. 1 ABM300 - XXXYYCX- XYYYY - AEX - EXP

9) Swivel Aiming Mount : 8" O.D. ,7.0" Bolt Circle 6 @ 1/4" Dia. Holes C/W 3" Sensor Mtg. Hole - AIM3
 Flange Mount : 9" O.D. ,7.5" Bolt Circle 6 @ 3/4" Dia. Holes C/W 6" Sensor Mtg. Hole - FLA6
 9" O.D. ,7.5" Bolt Circle 6 @ 3/4" Dia. Holes C/W 3" Sensor Mtg. Hole - FLA3

10) For more information please call directly Tel. (705) 740-2010