

# North American Sensors Corp.

## WaveScan

2-wire ultrasonic continuous level measurement for liquids, solids and for open channel flow.

Extended range of 0.8 to 49 feet  
Integral LCD display, Keypad and intergal 4-20mA output  
Automatic compensation for different environments  
Approved for installations in hazardous locations (Ex)  
Simple to install and configure  
Direct installation on tanks, vessels and reactors

Measuring accuracy	0.25% of max range
Transmission frequency	25KHz
Temperature compensation	Internal
Power supply	12 - 18 VDC
Loop current load	750 ohm @ 28 VDC
Output Signal	4 - 20mA
Transmitter	ABS + UV
Sensor	Polypropylene or PVDF (Optional)
Acoustic window	ECTFE
Mounting thread	2" BSP or 2" NPT
Operating temperature	-40 deg F to 158 deg F
IP protection	IP 65 (IP 67 for Ex model)
Display	Optional Intergal LCD (4 digits)
Cable connection	1 x conduit NPT (options for glad or M20)
Weight	1.4Kg max
Dimensions	Approx 29 x 11 x 9 cm3



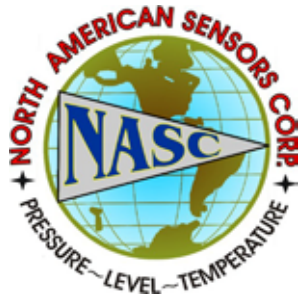
### Applications:

Water & Waste Water  
Petrochemicals  
Chemical Processes  
Food & Beverage Industries

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<b>Main Application</b>									
Solid		S							
Liquid		L							
Open Channel Flow		O							
<b>Ranges</b>									
Short range liquid/solid 0.25-5 m			1						
Standard range Liquid 0.6-15 m			2						
Standard range Solid 0.6-8.5 m									
<b>Warranty</b>									
Standard 1 year				1					
Extended 2 year				2					
<b>Transducers housing and treads</b>									
Polypropylene 2" BSP					A				
Polypropylene 2" NPT					B				
PVDF 2" BSP					P				
PVDF 2" NPT					K				
<b>Measurement units</b>									
Meter						M			
Feet						F			
<b>Cable connection</b>									
Conduit box 0.5" NPT								N	
Conduit box M20 / 2.5								B	
Cable gland PG9 (note 1)								L	
Cable gland PG7								G	
<b>Approvals</b>									
General Purposes: CE-EMC, FM-Safety									C
Atex: Eex ia IIC T4									E
FM Class I, II, III, Div 1 Group A,B,C,D,E,F,G									
<b>Part Number:</b>	WS-			-					

**Note: (1) Supplied with conduit box 0.5" NPT**