





Guided Wave Radar

Guided wave radar provides highly accurate, continuous level measurement utilizing time domain reflectometry (TDR) to measure the distance, level, and volume of material contained in bins, tanks, and silos. It performs reliably and is immune to dust, humidity, temperature, pressure, and bulk density changes as well as noise that might be present when filling or emptying the vessel.

Description	CODE	Part No.
POWER PAC		
GWR-2000 Guided Wave Radar	GW2.	
APPROVALS		
Approvals: CC - CSA (IS) Class I, II, III, Div 1, Groups A, B, C, D, E, F, G	CC	
Approvals: CD - CSA (XP-AIS) Class I, Div 1, Groups A, B, C, D, (DIP-AIS) Class II, III Div 1, Groups E, F, G	CD	
Approvals: CE - CSA (XP) Class I, Div 1, Groups A, B, C, D, (DIP) Class II, III Div 1, Groups E, F, G	CE	
Approvals: CR - CSA (DIP) Class II, DIV 1 Groups E, F, G	CR	
Approvals: IX - Designed for unclassified area, non-EX environment	IX	
Approvals: FC - FM (IS) Class I, II, III, Div 1, Groups A, B, C, D, E, F, G	FC	
Approvals: FD - FM (XP-AIS) Class I, Div 1, Groups A, B, C, D, (DIP-AIS) Class II, III Div 1, Groups E, F, G	FD	
Approvals: FR - FM (DIP) Class II, DIV 1 Groups E, F, G	FR	
Approvals: FE - FM (XP) Class I, Div 1, Groups A, B, C, D, (DIP) Class II, III Div 1, Groups E, F, G	FE	
VERSION		
Version: A - Threaded connection to sensor for 4 mm cable	A	
Version: F - Threaded connection to sensor for 8 mm cable or 5/8" rod	F	
MOUNTING		
Mounting: TH - 1.5" NPT PN40, ASME B1.20.1 / 316L	TH	
Mounting: TK - 2.0" NPT PN40, ASME B1.20.1 / 316L	TK	
Mounting: AB - 2" 150lb RF, ASME B16.5 / 316/316L	AB	
Mounting: AD - 3" 150lb RF, ASME B16.5 / 316/316L	AD	
Mounting: AG - 4" 150lb RF, ASME B16.5 / 316/316L	AG	
SEAL		
Seal: H - EPDM (A+P 75.5 / KW75F) / -40°F to +302°F (150°C)	H	
Seal: K - FFKM (Kalrez 6375) / -4°F (20°C) to +392°F (200°C)	K	
Seal: F - FKM (SHS FPM 70C3 GLT) / -40°F to +302°F (150°C)	F	
OUTPUT		
Output: H - Two wire 4-20mA / HART®; 12-35V DC	H	
Output: U - Four-wire Modbus (Requires Dual Chamber Housing); 8-30V DC	U	
Output: I - Four-wire 4-20mA / HART®; 9.6-48V DC; 20-42V AC (Requires Dual Chamber Housing)	I	
Output: B - Four-wire 4-20mA / HART®; 9.6-48V DC; 20-42V AC (Requires Dual Chamber Housing)	B	

Description	CODE	Part No.
HOUSING		
Housing: A - Aluminium single chamber / IP66/IP68 (0.2bar)	A	
Housing: K - Plastic single chamber / IP66/IP67	K	
Housing: 8 - Stainless steel single chamber (electropolished) / IP66/IP68 (0.2 bar)	8	
Housing: R - Plastic double chamber / IP66/IP67	R	
Housing: D - Aluminium double chamber / IP66/IP67	D	
Housing: W - Stainless steel double chamber / IP66/IP67	W	
CONNECTION		
Cable Entry: N - Two ½" NPT / blind plug in one opening	N	
Cable Entry: Q - Two ½" NPT / without plug in either opening	Q	
DISPLAY		
Display: X - Without inspection window or BinDisc	X	
Display: A - Bindisc top mounted with display window	A	
Display: F - Top mounted BinDisc with inspection window	F	
Display: B - Side mounted BinDisc with window	B	
PROBE / ROD		
ft. single flexible 8 mm diameter 316 stainless steel cable, with counter weight (95 ft. maximum)	-CXX	
in. solid 5/8" diameter 316 stainless steel sensing rod (96 in. maximum)	-RXX	
ft. single flexible 4 mm diameter 316 stainless steel cable, with counter weight (75 ft. maximum)	-KXX	
MOUNTING PLATES		
GRMP-8 - 0° 1-1/2" NPT Stainless steel mounting plate with half coupling		730-0469
MOUNTING PLATE		
GRMP-18 - 30° 1.5" NPT Powder coated carbon steel mounting plate with half coupling		730-0633