





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: TH - 2.0" NPT PN40, ASME B1.20.1 / 316L | TK | |
| Mounting: AB - 2" 150lb RF, ASME B16.5 / 316/316L | AB | |
| Mounting: AB - 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. |
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| 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 PLATE | | |
| GRMP-18 - 30° 1.5" NPT Powder coated carbon steel mounting plate with half coupling | | 730-0633 |