

Specification for RADAR type Level Detector

1	Type	Radar type with remote indicator
2	Make	Siemens, Krohne Marshall, VEGA, Emerson
3	Application	Level measurement of Ore in Fine Ore Bin.
4	Technology	FMCW (frequency modulated continuous wave)
5	Frequency of Operation	Bidder to specify
6	Beam Angle	Less than or equal to 10°
7	Protection	Ingress protection Rating IP67
8	Connection Type	2 Wire
9	Calibrated Range	0 to 15 meters
10	Measuring Range	0 to 20 meters
11	Accuracy	± 5 mm
12	Repeatability	± 1 mm
13	Current Output	4 to 20mA & HART
14	Mounting	under Canopy for physical protection
15	Operating Temperature	Ambient (50 deg. C Max)
16	Power Supply	18 to 30 V DC/ 230VAC, 50 Hz
17	Electronic converter cum display	Remote type
18	Display Options	Actual level, Signal strength, Error messages
19	Configuration & Parameter setting	Through integrated keypad on remote indicator & HART
20	Distance between Sensor and indicator	Maximum: 25 meter (25 meters cable to be supplied along with equipment)
21	Interface Language	English
22	Process connection	Flanged 3" as per ANSI 150#, drilling as per ANSI 16.5
23	MOC	
a	Housing	Stainless steel
b	Antenna	PTFE Wave Horn
c	Flange	SS316
24	Cable entry	M20 * 1.5, provided with suitable cable gland and blanks (1 no. each)
25	Warranty	12 months from the date of Installation or 18 months from date of supply, whichever is earlier