



Level Measurement & Control Solutions

Series 138 Pulse Radar For Liquids and Solids

Models LIQUIDS 138 C

138 C51

138 C52

138 C53



Application:	Liquids Level measurement, preferably for corrosive media under moderate fume and moderate steam easy process conditions.	Liquids Level measurement, preferably for strong corrosive media , under easy process conditions and certain temperature or pressure limits	Liquid level measurement for pond ,dams, reservoir , Storage tanks /process vessel under high temperature or pressure limits
Max. Range:	30 m	30 m	30 m
Accuracy:	+/- 10 mm	+/- 10 mm	+/- 10 mm
Process Connection:	1 ½" BSP	PTFE Loose flange with stud end	Flanged SS 316L
Antennae Material:	PP / PTFE	PTFE	SS 316L / PTFE
Process Temperature:	-40 to 120° C	-40 to 150° C	-40 to 200° C
Process Pressure:	≤3 kg/cm ²	≤16 kg/cm ²	≤40 kg/cm ²
Operating Frequency:	6 GHz	6 GHz	6 GHz
Output:	4 to 20 mA, 2 Wire , HART	4 to 20 mA, Two wire, HART	4 to 20 mA, 2 wire, HART
Dead band:	400 mm	400 mm	400 mm

Models LIQUIDS 138 K 138 K55

138 K56

138 K57



Application:	Liquids Level measurement, preferably for corrosive media acidic applications ,with moderate fumes .	Liquids Level measurement, Palm oil ,fatty acids ,mild corrosive liquids and oil and water separator under certain temperature or pressure limits	Storage tanks /process vessel under high temperature or pressure limits
Max. Range:	10 m	30 m	20 m
Accuracy:	≤3 mm	≤3 mm	≤3 mm
Process Connection:	1 ½" BSP	1 ½" BSP	Flanged SS 316L / Clip
Antennae Material:	PVDF	SS 316L / PTFE	PTFE
Process Temperature:	-40 to 130° C	-40 to 200° C	-40 to 150° C
Process Pressure:	≤3 kg/cm ²	≤40 kg/cm ²	≤16 kg/cm ²
Operating Frequency:	26 GHz	26 GHz	26 GHz
Output:	4 to 20 mA, 2 Wire , HART	4 to 20 mA, Two wire, HART	4 to 20 mA, 2 wire, HART
Dead band:	250 mm	400 mm	400 mm

MODELS SOLIDS 138 C**138 C54**

Application:	Storage tanks / Process vessels under high temperature or pressure conditions & with or without aiming device
Max. Range:	70 m
Accuracy:	+/- 20 mm
Process Connection:	Flanged SS 316 L
Antennae Material:	SS 316 L/PTFE
Process Temperature:	-40 to 200° C
Process Pressure:	≤40 kg/cm ²
Operating Frequency:	6 GHz
Output:	4 to 20 mA, 2 Wire , HART
Output:	400 mm

MODELS SOLIDS 138 K**138 K58****138 K59**

Application:	Coal ,Cement ,fly ash ,Clinker,Gypsum , Storage tanks / Process vessels in dusty media, with or without aiming device.	Product with low dielectric constant and Large tank height, Storage tanks / Process vessels under heavy dusty media
Max. Range:	70 m	70 m
Accuracy:	≤15 mm	≤15 mm
Process Connection:	Flanged SS 316 L/ 1 ½" BSP	Flanged SS 316 L/ 1 ½" BSP
Antennae Material:	SS 316 L/PTFE	SS 316 L/PTFE
Process Temperature:	-40 to 200° C	-40 to 200° C
Process Pressure:	≤16 kg/cm ²	≤16 kg/cm ²
Operating Frequency:	26 GHz	26 GHz
Output:	4 to 20 mA, 2 Wire , HART	4 to 20 mA, 2 Wire , HART
DeadBand	400 mm	400 mm

NOTE: 220 VAC, 4-wire version also available on request

*** Continuous changes may necessitate changes without notice

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