

UHF-DQ Float-level- transmitter

Technical information

- simple and rugged design
- reliable performance in liquids with densities of 0,5 kg/dm³
- short mounting depth 300 mm
- indicating length up to 5500 mm
- resistant to pressures of 25 bar and temperatures of 120 °C
- housing of cast aluminium or stainless steel in IP65
- 4...20 mA or Hart protocol 4...20 mA output
- EXdIICT5

Technical data

Level transmitter	UHF-DQ
overall length	0,3...5.5 m
measurement accuracy (resolution)	5, 10 or 20 mm
ambient temperature (aluminium housing)	-40...+60°C
tank product temperature	-10...+120°C
min. density	0,5 kg/dm ³
max. allowable op. Pressur	25 bar
protection	IP65
terminals	Max. 1,5 mm ²
Connection	
screw connection acc. ISO	screw connection acc. ISO
screw connection acc. ANSI/NEMA	½" NPT-M
flanges	DN50, DN100, PN16 and PN40
flanges acc. ANSI	2", 4", class 150 lbs/RF and 300 lbs/RF
Materials	
Housing	cast aluminium
Flange	CS, 304, 316, PP, PVC
Thread	SS, 304
guide tube	SS, 304, 316, PP(+SS), PVC(+SS)
float	As same as guide tube

Transmitter

Type A

Output 4...20 mA , Supply voltage 24VDC±30%, 2 line-loop, max. resistance 500 Ohm, Operating temperature -20...+85 °C, EXdIICT5

Type B

Output 4...20 mA+HART , Supply voltage 12...35VDC, 2 line-loop, max. resistance 500 Ohm, Operating temperature -20...+85 °C, EXdIICT5

Order key: UHF-DQ Float-level- transmitter	
Material AND DIA.of guide tube	
S	SS $\Phi 19$
3	304 $\Phi 19, \Phi 14$
6	316 $\Phi 19$
p	PP $\Phi 22$
v	Pvc $\Phi 22$
Material of tank connection	
c	cs
S	ss
3	304
6	316
p	pp
v	pvc
Type/size of tank connection	
R	R1/2
N	1/2NPT
F1	DN50 blind flange
F2	DN65 blind flange
F3	DN80 blind flange
O	other
Measuring accuracy	
20	±20mm
10	±10mm
5	±5mm(only for guide tube $\phi 19$, float$\phi 75$)
Float type	
A	$\Phi 75\text{mm} \times \Phi 22$; min.SG: 0,5 kg/dm ³ , max. p. 25 bar; mat.: SS, 304, 316
B	$\Phi 52\text{mm} \times \Phi 15.5$; min.SG: 0,5 kg/dm ³ , max. p. 25 bar; mat.: SS, 304, 316
C	$\Phi 45\text{mm} \times 56 \times \Phi 15.5$; min.SG: 0,5 kg/dm ³ , max. p. 10 bar; mat.: SS, 304, 316
V	Dia min. $\Phi 45$, min.SG: 0.7 kg/dm ³ , max. p. 6 bar; mat.: PVC
P	Dia min. $\Phi 45$, min.SG: 0.7 kg/dm ³ , max. p. 6 bar; mat.: PVC
Transmitter	

A	Output 4...20 mA, Supply voltage 24VDC±30%, max. resistance 500 Ohm, Operating temperature -20...+85 °C, 2 line-loop, max. resistance 500 Ohm, (EXdIICT5)
B	Output 4...20 mA+HART , Supply voltage 12...35VDC, others as same as A (EXdIICT5)

UHF-DQ

