



4 housing versions to choice

Choice of options

Certifications, certificates, approvals

- B0 Standard = CE conform and IP66
B1 ATEX II 1/2D Ex ta/tb IIIC T80°C Dust
B2 ATEX II 1D Ex ta IIIC T70°C Dust
B3 ATEX II 1/3D Ex ta/tc IIIB T80°C Dust 1)
B9 Further approvals under request

Supply voltage

- C1 220 ... 240 V AC (50 ... 60 Hz)
C2 110 ... 120V AC (50 ... 60Hz)
C3 48 V AC (50 ... 60 Hz)
C4 24 V AC (50 ... 60 Hz)
C5 24 V DC
C6 12 V DC
C7 48 V DC
C9 Special voltages under request

Self-monitoring

- D0 Standard = without monitoring
D1 Function monitoring
D2 Voltage monitoring

Signal lamps

- H9 Standard = with function LEDs
H1 Collar for function LEDs
H2 Signal lamp, green LED
H8 Large signal lamp, green LED

Bulk goods temperature

- E0 Standard = -25 °C ... +80 °C 2)
E1 -40 °C ... +150 °C only with R1
E2 -25 °C ... +200 °C only with R5
E3 -25 °C ... +260 °C only with R5
E4 -25 °C ... +500 °C only with R8
E7 Appliance heating 2,5 Watt
E9 ... +1000 °C 1) under request

Container pressure

- P0 Standard = -0.5 bar ... +5 bar 3)
P1 -0.5 bar ... +10 bar
P2 -0.95 bar ... +25 bar 4)
P6 -0.9 bar ... +10 bar
P7 -0.9 bar ... +10 bar 5)

Process connection

- G1 Thread G 1 " DIN/ISO 228
G2 Thread G 1 " ¼ DIN/ISO 228
G3 Thread G 1 " ½ DIN/ISO 228
G5 Thread M30x1.5
G6 Thread M32x1.5
G9 Other threads under request
F1 Flange F70 Ø 110, 4xØ 9/Ø 90
F2 Flange F100 150x150, 4xØ 18/Ø 170
F5 Flange DN32 PN 10
F6 Flange DN100 PN 6

Material of process connection

- A Aluminium
E Stainless Steel 1.4301
X Other materials under request

Measuring blade

- M0 Without measuring blade
S2 Inclined socket blade 120x30
M1 Socket blade 90x28
M2 Socket blade 90x40
T1 Blade T50 98x50
T2 Blade T100 98x100
T8 Rubber blade 250x100
X1 Blade X50 98x50
X2 Blade X100 98x100
X3 Blade X200 180x100
K1 Hinged blade T230 200x30
M9 Other measuring blades under request

Blade reinforcement

- without reinforcement
V with reinforcement

Jib extension

Standard = without extension (LW000 not applicable)

LW Shaft extension

0 0 0 Enter required lenght in mm, las digit always 0

D2) Delivery only together with D2 or D1
1) Not available together with B1, B2, A3 and A4
2) Max. bulk goods temperature at B2 = -20°C...+45°C
3) Container pressure at B1, B2 and B3 = -0.08bar...+0.08bar (-80...+80mbar)
4) With area separating element DF-P2 (gas-tight and leakproof)
5) With pressure decoupling bell housing DF-P7 (pressure separating)
5) !!! usage for differences in pressure within ATEX areas !!!

B0, D0, H9, E0, P0, R0 and M0 are not needed for order code.

R0 Standard with

NBR sealing ring black suitable for the majority of bulk goods

Options only for special applications:

- R1 Sealing ring in S.S./Viton/PTFE
R2 Sealing ring in NBR, white FDA
R5 Sealing ring in PTFE, white FDA
R8 Other seal rings under request
Rn add as a suffix to selected connection, f. ex.: G2ER2

A White FDA grease between sealing and bearing

Z Bearing in Stainless Steel

add as a suffix to selected connection, f. ex.: G2EZ

Measuring blade passes through tight hole of:

G2, G3, G4 and all flanges

G1

G3, G4 and all flanges

F2, F6, F7

F2, F6, F7

F2, F6, F7

F2, F6, F7

G2, G3, G4 and all flanges

All larger dimensioned blades can not be inserted through the tight holes and must be mounted from the inside.

Housing selection
A1 Standard Compact aluminium housing CE conform and ATEX Dust
A2 Stainless steel compact housing CE conform and ATEX Dust
A3 Aluminium round housing ATEX II 2G Ex db eb IIC T6
A4 Stainless steel round housing ATEX II 2G Ex db eb IIC T6

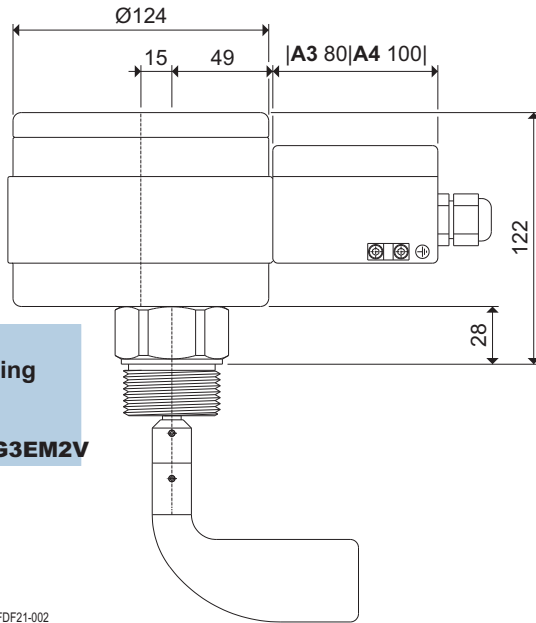
- A1
A2
A3
A4

FDF21 0

Order code

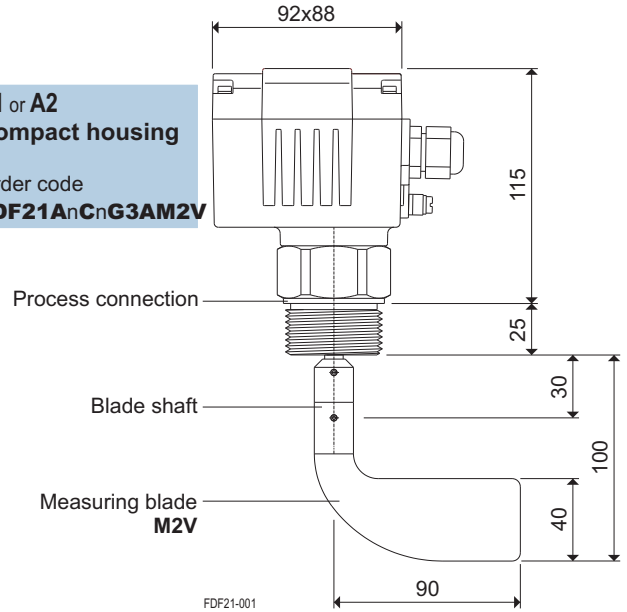


**A3 or A4
Round housing**
Order code
FDF21AnCnG3EM2V



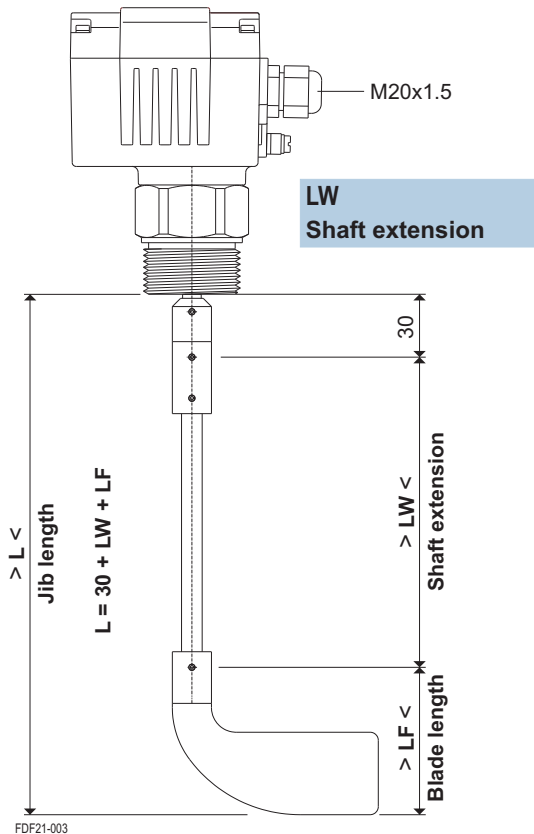
FDF21-002

**A1 or A2
Compact housing**
Order code
FDF21AnCnG3AM2V

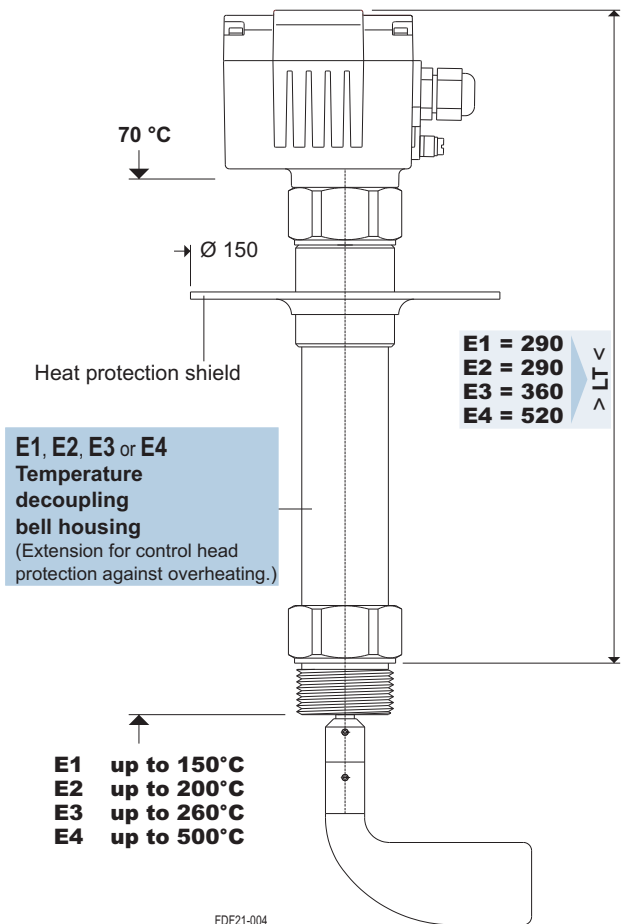


FDF21-001

You will find further technical details under Operating Instructions



FDF21-003



FDF21-004