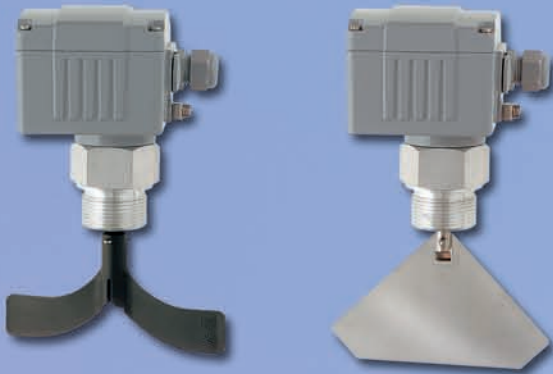


MOLLET
Füllstandtechnik GmbH



Rotary blade level indicator **DF**

DF11



any mounting position



vertical mounting position

Lowest priced model with aluminium housing **A1** for simple applications

Housing: aluminium, RAL 7001 coated
 Shaft: stainless steel
 Blade: plastics, optional in stainless steel
 Process connection in aluminium

Housing varieties

Robust compact housings

- A1** aluminium pressure casting, RAL 7001 coated
- A2** housing in stainless steel 316L
- A3** EEx housing in aluminium
- A4** EEx housing in stainless steel 316L



option
Dust 

- A1** Housing in aluminium Standard design



option
Dust 

- A2** Housing in stainless steel all pieces in 316L, hygienic type



option
Gas+Dust 

EEx round housing „d“ flameproof enclosure

- A3** aluminium (standard design)
- A4** in stainless steel 316L (hygienic type)

DF 21



wide range of application
 any mounting position

DF22



extended process connection
 wide range of application
 any mounting position

DF23



reinforced blade shaft
 any mounting position



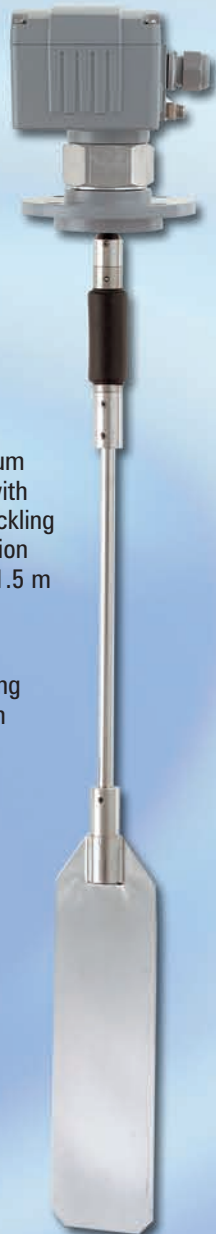
DF24



reinforced blade shaft
and long jib
any mounting position

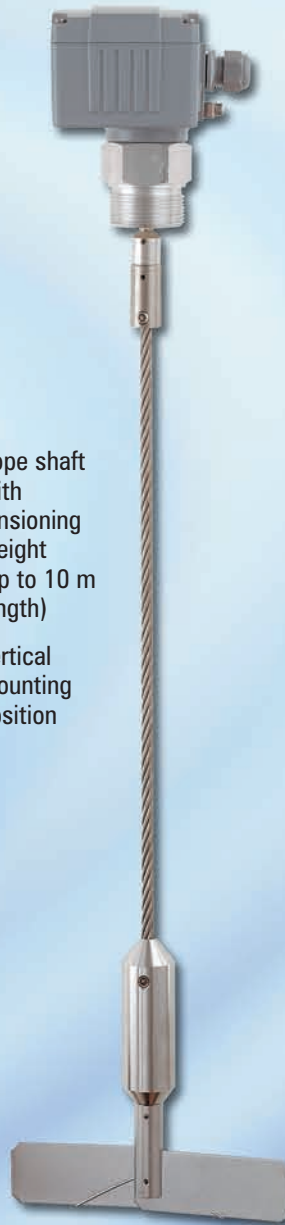


DF26



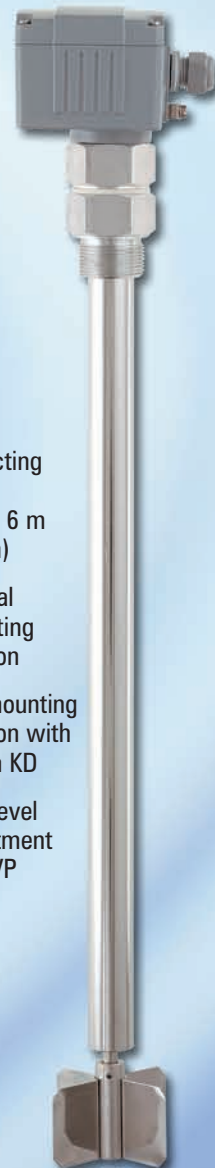
Pendulum
shaft with
anti-buckling
protection
(up to 1.5 m
length)
vertical
mounting
position

DF27



Rope shaft
with
tensioning
weight
(up to 10 m
length)
vertical
mounting
position

DF28



Protecting
tube
(up to 6 m
length)
vertical
mounting
position
any mounting
position with
option KD
with level
adjustment
DF-HVP

DF25



angled jib
horizontal mounting position



DF30



for installation in the taper closure
of bellow feeders
vertical mounting position

DF31



rotating
measuring blade

The MOLLET DF serie

The level limit switches for bulk goods in the **DF** serie can be used as **full, empty and demand indicator** for a very large range of application in all kinds of bulk goods, sludges or pastes.

They are observing the filling level in silos, containers, weighers, discharge pipes etc. and they are excellently qualified for use in dusty, powdery, granulated as well as in grained and granular bulk materials.

The **DF** rotary blade level indicators are qualified for use in all potentially explosive dust and gas atmospheres (in all explosion hazardous areas). They guarantee an absolute reliability and safe function even under extrem and the most difficult conditions.

Technical data

Supply voltages

220-240 V, 110-120 V, 48 V, 24 V AC (50-60Hz) and 24 V DC

Signal contact, potentialfree as standard

1 mA 4 V up to 2 A 240 V~ suitable for all SPS with low currents and low voltages as well as for higher currents with control voltages up to 240 V~

Temperature ranges

-35 °C ... +800 °C, ...+1000 °C on request

Pressure ranges

0,9 bar low pressure up to 10 bar overpressure with ATEX certification

Various process connections

- Thread: G1, G1¼, G1½, G2, M30, M32
- Flange: F70, F100, DN32, DN100

Sensitivity

Adjustable, depending on the bulk goods characteristics

Self-monitoring (option)

- Function control also with pulsating "all-right-signal"
- Voltage monitoring

Encapsulated ball bearing

- with MOLLET special sealing ring to the bearings (4 sealing rings to choose)
- sealing rings R2, R4 and the lubrication are FDA conform

Type of protection

IP 66 according to DIN EN 60529

maintenance free

ATEX - Options

Ex types of protection

- ⚡ II 1D T 70 °C IP66
- ⚡ II 1/2D T 80 °C IP66
- ⚡ II 1/3D T 80 °C IP66

- ⚡ II 1D2G/2GD EEx de IIC T6 T 70 °C IP66
- ⚡ II 1GD/2GD EEx de IIC T6 T 70 °C IP66

Accessories



Function display with 4 LEDs



Signal lamp



Large signal lamp



Temperature decoupling bell housing



Zone separating element



Level adjustment

Quick couplings - changeable process connection for containers



"Storz"-coupling



KAMLOK-coupling



Food industry coupling

Clamp coupling (no fig.)

- **Vibration dampening:** damps shaking, beat and impact
- **Mounting flange** for textile silos
- **Connectors:** sensor M12 x 1, cube, HARTING
- **Signal delay** for full and empty indication



Weather protection hood



Acceptance according to Directive 94/9/EG



TÜV 02 ATEX 1876 Q



DIN EN ISO 9001:2000 Certificate: 78 100 3838-0



Regular voluntary auditing according to DIN EN ISO 9001:2000

MOLLET GmbH

Füllstandtechnik

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