



Flexinivo[®] FN 6

Flexible combination of level limit switch and continuous level measurement system

The multifunctional system is especially suitable for the application of volumetric dosing of difficult bulk materials, such as perlite in product mixtures.

The principle is simple & very precise



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- User defined measurement levels through flexible height adjustment
- Not affected by material properties such as conductivity, dust, dielectricity, humidity, weight
- Reduction of manual work

Application: The Flexinivo[®] FN 6 is used as a height-adjustable limit switch for the exact volumetric filling of containers. The maximal stroke distance is 4.5 m. The height adjustment and signal analysis are carried out by an external PLC.

Speciality: Constructed with a particularly high sensitivity of 5 g/l specifically used for the exact volumetric dosing of perlite.



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Flexible, controllable signal

Input signal:

- Measurement position (motor controlled)
- Speed of the measurement

Output signal:

- Position indicator (movement distance)
- Detection height
- Upper stop position

Technical Data

Housing	Aluminium IP 66
Process temperature	-20°C up to +60°C (-4°F up to +140°F)
Pressure	Max. +0.3 bar (4.4 psi)
Supply voltage	115V AC 230V AC
Process connection	Flange dimensions similar to DN100 PN6
Measurement range	0.6 – 4.5m (23.6 – 153")
Sensitivity	From 5g/l (0.3lb/ft ³)
Position detection	Analogue encoder 4-20mA Incremental encoder 1mm

Electromechanical functional principle

View of mechanical chamber
Solid mechanical construction

View of electronic chamber
Motion control by incremental encoder

