



LEVEL MEASURING DEVICE

PRODUCT SERIES MEMBRANE SWITCH MBA100

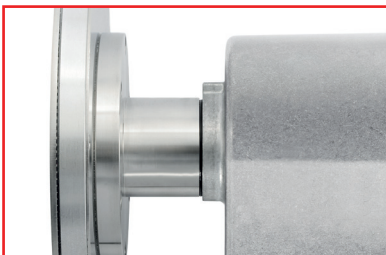


The mechanical
membrane level detection switch for bulk material

MBA100



- + *maintenance-free measurement*
- + *flush-mounted installation*
- + *mechanical adjustment*
- + *ATEX certification / IECEx*
- + *high system availability*



Usable for temperatures
up to 300 °C



Robust stainless steel membranes
for sensitive measurement



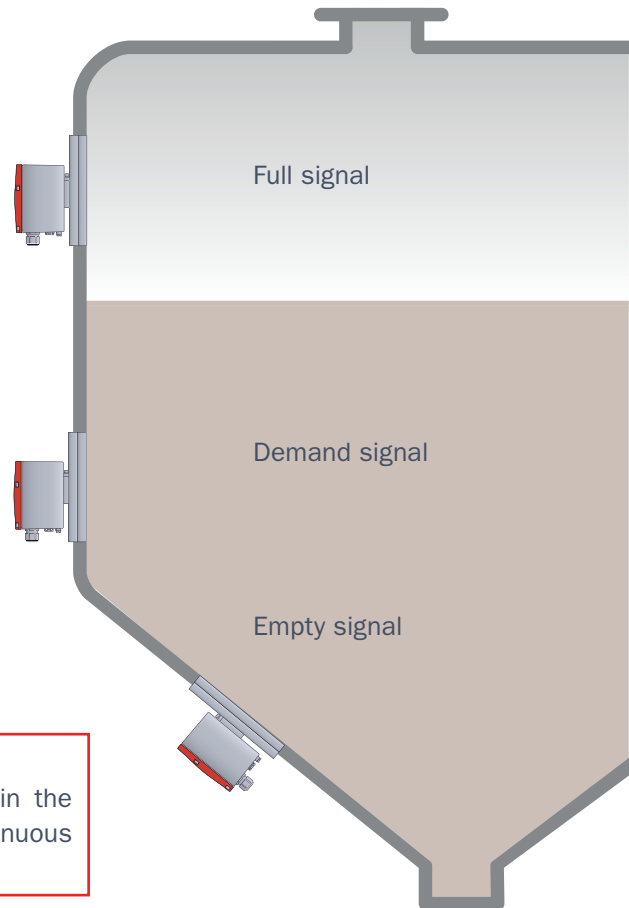
The measurement is carried out
without additional operating voltage

MBA100: the maintenance-free membrane level detection switch

The MBA100 fulfils central tasks in level detection of free-flowing bulk material, granules, powder or pellets. A switching operation is triggered by slight pressure of the bulk material on the stainless steel membrane. In the process, a microswitch is actuated, which switches an electric signal.

Another variation of the device can withstand temperatures up to 300 °C due to the heat-resistant design.

The purely mechanical fill-level display is very easy to handle. Simply fastening it to the silo wall and connecting the signal line is enough to put the MBA100 into operation. No additional operating voltage is needed.



Areas of application for almost any bulk materials:
 as a full sensor, demand sensor or empty sensor in the silo; as a redundant measurement system for continuous measurements and many other applications.

TECHNICAL DESCRIPTION OF THE VARIANTS

Operating Conditions

Ambient temperature:	-40 ... +80 °C		
Temperature in the bin:	MBA110	MBA120	MBA130
	-20 ... +100 °C	-20 ... +200 °C	-20 ... 300 °C
Pressure:	ambient pressure		
Protection class:	IP65 – water and dustproof for outdoor installation		

Product properties

Supply voltage:	Mechanical switch
Signal generator:	Microswitch assignable as opener or closer
Switching power:	250 V, 10 A AC or 24 V 2 A DC
Triggering pressure:	6 g/cm ²

Material

Housing:	Aluminium: AlCuMgPb
Components contact the product:	Membrane: Stainless steel 1.4305, Flange ring: 1.4301

Connection types

Flange:	189 mm, 6 bolt holes 7 mm diameter
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