

Effective for adhesive material

Admittance Level Switch

Upper and Lower limit detection
Widely applicable for solid, liquid, slurry, etc.



Features

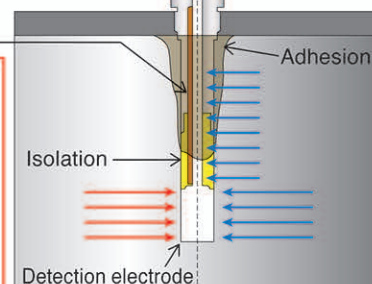
- 3 electrodes integrated (Detection, Grounding, Guard)
 - No influence from adhesion
 - Stable detection by detecting electrode
 - Stable sensitivity for small capacitance change
- Wide sensitivity range with the same standard model
- Applicable for high viscous slurry
- Detection LED visible on housing
 - No Detction = **GREEN**
 - Detection = **RED**

Function of guard electrode

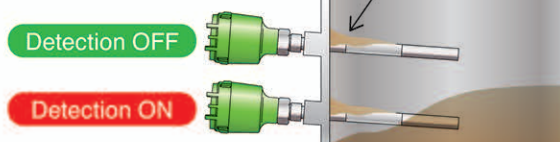
Filter out adhesion Admittance type w / Guard electrode Capacitance type No Guard electrode

Guard Electrode

Guard electrode is integrated in the probe and filter out the capacitance changed by adhesion. So, it is less influenced by adhesion and can catch even small capacitance change by actual product.



Filter out unwanted noise by adhesion! No problem against build-up

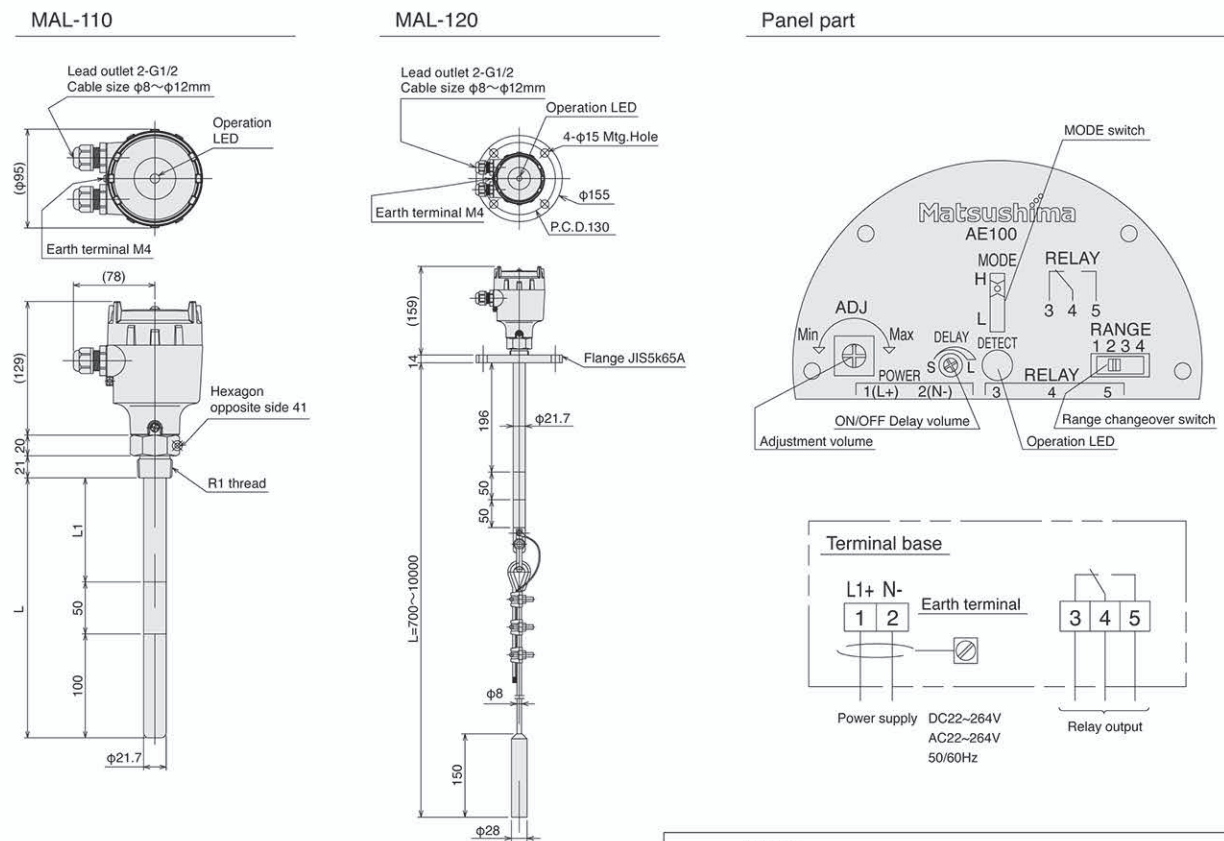


Standard Specification

Type	MAL-110	MAL-120
Product Type	Rod	Wire
Power supply / Power consumption	AC/DC22~264V 50/60Hz / 4.7W (AC), 1.8W (DC)	
Mounting	R1 thread	JIS5k65A Flange
L-Length	Min.250mm~Max.2000mm ※Under R1 thread	Min.700mm~Max.10000mm ※Under flange
Detection range (Sensitivity can be switched by slide switch)	Range1 : 0~10pF Range3 : 0~100pF	Range2 : 0~50pF Range4 : Special material (※1)
Signal output	SPDTx1 / Contact capacity:AC250V/DC30V 5A	
Material	Housing : ADC12 Ground electrode : SUS304 Detection electrode : SUS304	Boss : SUS304 Insulator : PTFE Wire rope : SUS304 (MAL-120)
Operation LED	LED (Undetected:Green , Detected:Red)	
Lateral load	Max.500N	—
Teansverse load	—	Max.4500N
Permissible pressure	Max.1.5MPa	Max.0.5MPa
Permissible ambient temperature	-40°C ~ +150°C (No freezing)	
Protection	IP67 (Cover, cable entrance tightened condition)	
Coating color	Munsell 7.5GY6/10	
Quantity	Approx.2.0kg (L=250mm)	Approx.4.6kg (L=700mm)

(※1) Use RANGE 4 if the measured material has a lot of moisture, high conductivity or cannot adjust by RANGE 1~3.

Dimension (mm)



Specifications are subject to change without notice.
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Caution
 •Read the instructions to ensure correct and suitable application of products.
 •Contact our nearest sales office when using our products for any systems used in situations which may be life threatening.

Distributor



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