

CAPACITIVE LEVEL SWITCH INSTALLATION & ADJUSTMENT

COARSE CALIBRATION

With the probe in contact with the material being detected, set the *SENSITIVITY ADJ* pointer to position H and then using a blade screwdriver set the *COARSE* adjustment until the *INDICATOR* lamp is on. Rotating the *COARSE* adjustment clockwise and counter-clockwise will turn the *INDICATOR* lamp on and off. Ensure the lamp is on before moving on to adjusting the sensitivity.

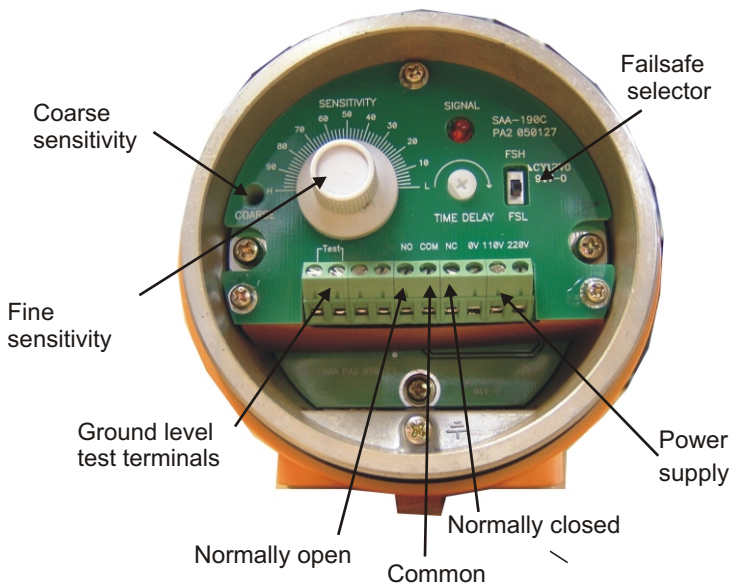
SENSITIVITY ADJUSTMENT

After setting the *COARSE* calibration the *INDICATOR* lamp will switch on when probe is touching the material and off when in free air. Make sure the probe is in contact with the material and then turn the *SENSITIVITY ADJ* knob clockwise until the *INDICATOR* lamp turns off. Set the *SENSITIVITY ADJ* pointer half way between H and the point that the *INDICATOR* lamp switches off.

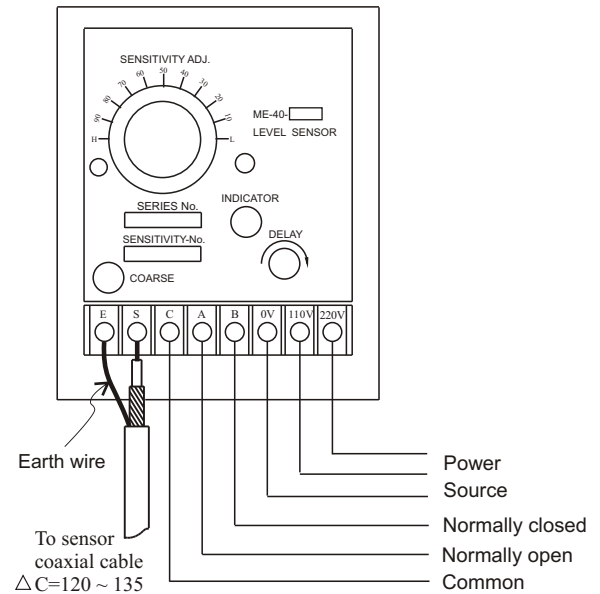
DELAY FUNCTION SETTING

This feature is used to stop any spurious signals to the switch from surface ripple or agitation of the product. It also protects the relay from premature wear by eliminating contact chatter by adding a small time delay from when product contacts the probe.

The factory setting is zero seconds with the *DELAY* screw fully counter clockwise. Turning the screw in a clockwise direction introduces a delay between the *INDICATOR* lamp coming on and the relay changing its state.

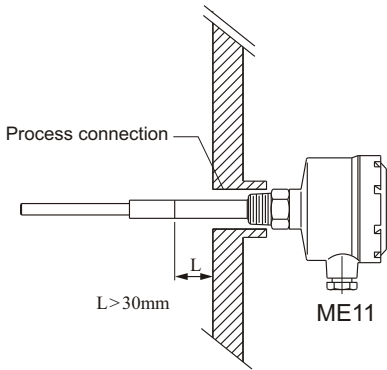


ME10,20,30,50,60,70,80 A/B/C/D

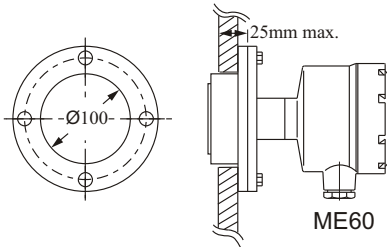


Remote Probe Type (ME40 A/B/C)

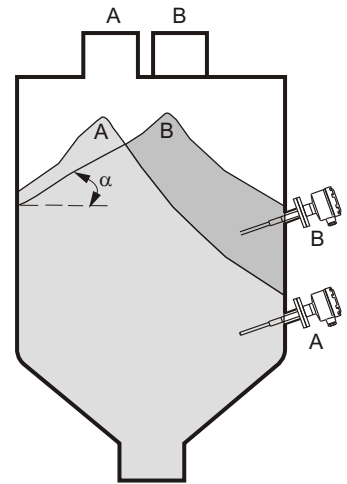
INSTALLATION GUIDE



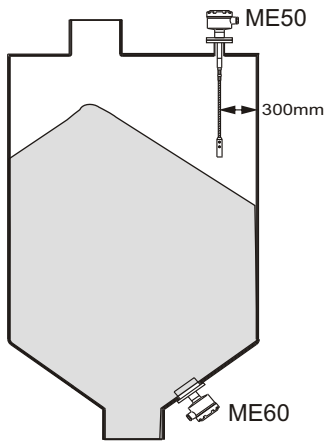
The grounding sleeve must be mounted to protrude at least 30mm from the vessel wall.



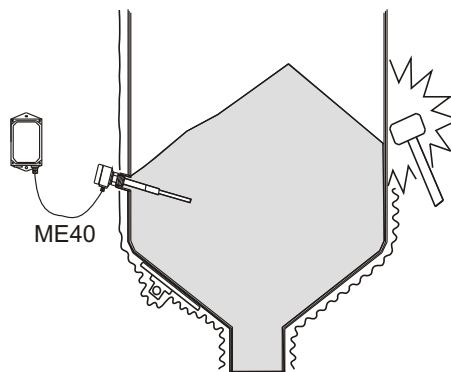
For the ME60 type to be mounted properly the vessel walls should not exceed 25mm thickness.



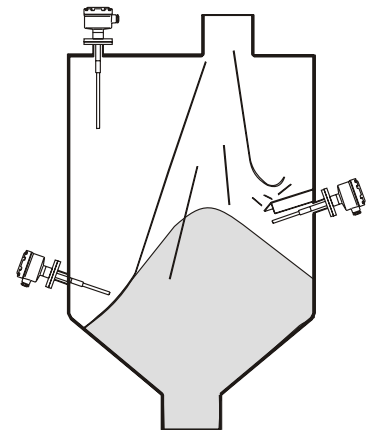
To prevent false readings on solids applications it is best to make sure the material flows symmetrically. If the inlet is not located in the centre portion of the tank roof, check the flow pattern (α angle) of your material and place the probe in the appropriate location.



If the probe is mounted on the top, make sure the length of probe is enough to touch the highest level of raw material. The ME50 type must have at least 300mm from the silo wall. The ME60 type is usually located at the lower position.

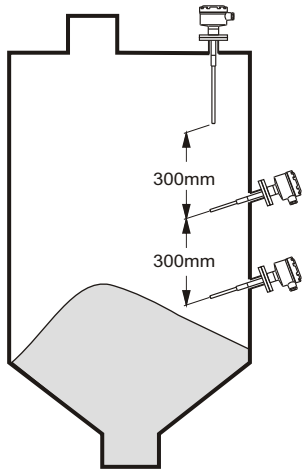


For Non-Stationary or material that will be vibrated a separate control unit such as the ME40 type is recommended.

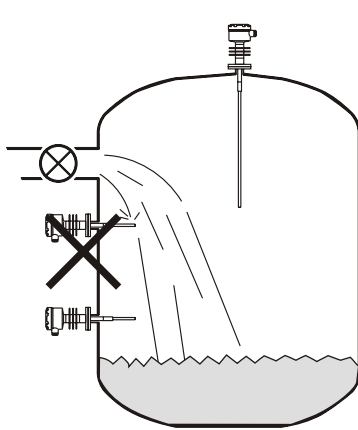


Where possible install the probe away from the inlet to reduce the risk of inflowing material damaging the probe. If the probe is near an inlet, we recommend placing a protective cover 200mm above the probe. The cover should be parallel to the probe and the same length.

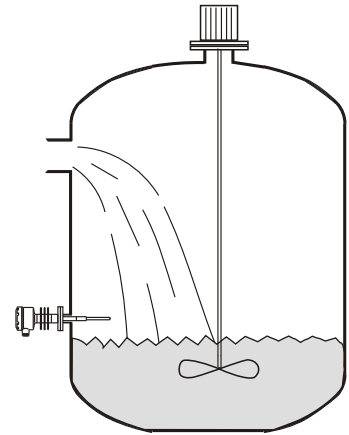
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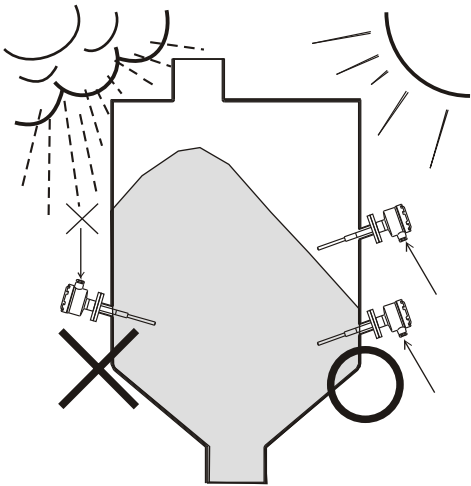
If multiple probes are mounted in the same vessel they must be separated by at least 300 mm to reduce probe to probe interference.



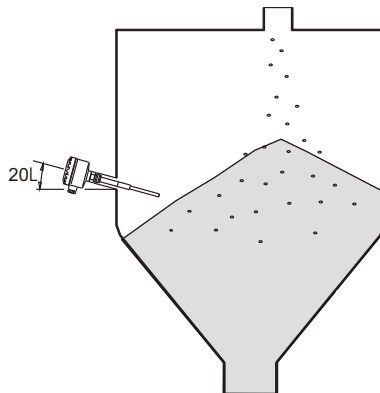
The probe should not be mounted underneath a liquid inlet otherwise it will switch on erroneously.



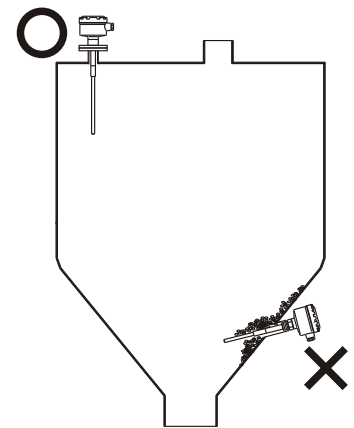
If the tank is equipped with an agitator, please use the time-delay function to stop spurious signals



The cable inlet should face downward to avoid rainwater ingress.



Mounting the probe at a 20° incline optimizes the results and increases the switch sensitivity.



Mounting the probe at top of tank will help avoid material bridges from forming and reduce false alarms.