

Installation Tips

GaugerGSM - 5P Installation tips

1) Choosing location

Distance to tank walls	<u>MUST BE</u>	at least 50cm from walls + 10cm/1m range
Surface	<u>MUST BE</u>	fixed on a horizontal surface
Acoustic noises	<u>MUST BE</u>	far away from acoustic noises and vibrations
Electrical interference	<u>MUST BE</u>	shielded away from power and sensor cables
Tank installation	<u>MUST BE</u>	far away from tank inlets, outlets, physical obstacles
Sensor	<u>MUST BE</u>	exactly perpendicular to the surface of the target
External thermistor	<u>MUST BE</u>	in shaded location, attached to the tank body in sun-exposed installations

2) Handling dead zone

Extension pipes (1)	<u>MUST BE</u>	of at least 3" internal diameter and 15 cm long (from sensor low edge to pipe low edge)
Extension pipes (2)	<u>MUST BE</u>	with completely smooth interior surface
Extension pipes (3)	<u>MUST BE</u>	installed with a flange/not protruding into the tank

3) Power source

Voltage	<u>MUST BE</u>	at least 8VDC on unit terminals
Battery (internal/external)	<u>MUST BE</u>	rated higher than 9VDC due to the normal voltage drop
Ripple and noise	<u>MUST BE</u>	not exceeding 100mV
Type	<u>MUST BE</u>	preferably regulated switching PS

4) GSM Configuration

SIM card with SMS service	<u>MUST BE</u>	inserted to its slot
Destination phone number	<u>MUST BE</u>	defined
SMS alarms	<u>MUST BE</u>	defined

5) Measurement Configuration

Full/Empty, Level/Distance	<u>MUST BE</u>	configured correctly
Filling rate	<u>MUST BE</u>	defined (consider the application)
False echo scan	<u>MUST BE</u>	executed when the tank is empty in cases of tank internal interruption
Near blocking distance (NBD)	<u>MUST BE</u>	set up in flange and extension pipe installations

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