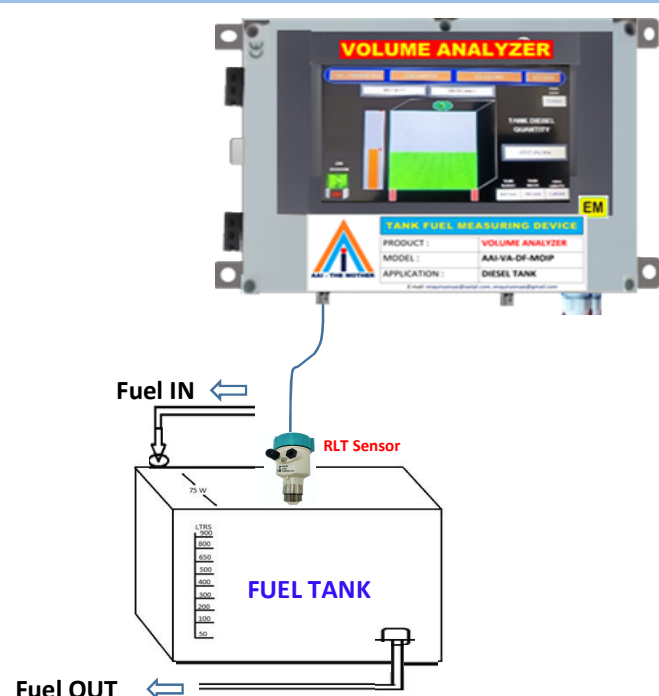


VOLUME ANALYZER - Tank Fuel Measuring Device for measuring quantity of Fuel inside the Tank and Consumption of Fuel on DG Start.



- ➔ Graphical viewing of Diesel Tank Level and available quantity of Fuel in Litre.
- ➔ High Accurate Radar Level Transmitter (RLT sensor) for Tank Height monitoring.
- ➔ On-line continuous monitoring of Fuel Quantity available in Tank in Litre.
- ➔ Measuring of Diesel Quantity Consumption on DG on.
- ➔ Measuring of Total Diesel quantity consumption in Litre.
- ➔ History Data Logging of Total Diesel Consumption and DG ON Status.
- ➔ History Data Logging of Tank Fuel Quantity.
- ➔ Provision of all Data on Modbus TCP/IP protocol for centralized BMS / DCS monitoring.

Product Name :	: VOLUME ANALYZER
Product Type :	: Tank Fuel Measuring Device
Product Application :	: DG / Fuel Dispenser / Process
Application Medium :	: Diesel / Petrol / Water
Volume Measuring :	: 0...10000 Litre
Height Measuring Range :	: 0...2 Meter
Accuracy - Height :	: ± 1mm
Accuracy - Fuel:	: ± 0.085% of FS
Tank Volume Size :	: 10 Cubic Meter
Operating Pressure :	: 0..5 bar
Operating Temperature:	: -10...80 °C
Measuring Data :	: Fuel Quantity inside Tank (Litre), Fuel Consumption by DG (Litre),
Data Logging:	: Upto 400 Days.
Weight (Overall) :	: 7.5 Kg (Approx)
Dimension (EM Device) :	: 336mm (L) x 258mm (H) x 113 (D)
Power Supply :	: 100...240 V +/- 10 % AC
IP Protection:	: LT - IP67, EM / IKW Meter - IP20



VOLUME ANALYZER

TANK FUEL MEASURING DEVICE

1. PRODUCT CATALOGUE

R-2510

MODEL:		AAI XXX	VA XX	FT XX	MO XXXX
VA :	VA = Volume Analyzer				
Fuel Type:	DF = Diesel as Fuel PF = Petrol as Fuel KF = Kerosine as Fuel WF = Water as Fuel				
Monitoring Output :	MOIP = Modbus Ethernet/IP output Note: Below default common output for Tank Quantity reading (only) is available : 4-20mA output = Tank Quantity (Litre) 0-10VDC output = Tank Quantity (Litre)				

Sr. No.	Model No.	Fuel Type	Output	Output/s
1)	AAI-VA-DF-MOIP	Diesel	Modbus/IP	Fuel Quantity inside Tank (Litre), Fuel Consumption by DG (Litre),
2)	AAI-VA-PF-MOIP	Petrol	Modbus/IP	
3)	AAI-VA-KF-MOIP	Kerosine	Modbus/IP	
4)	AAI-VA-WF-MOIP	Water	Modbus/IP	

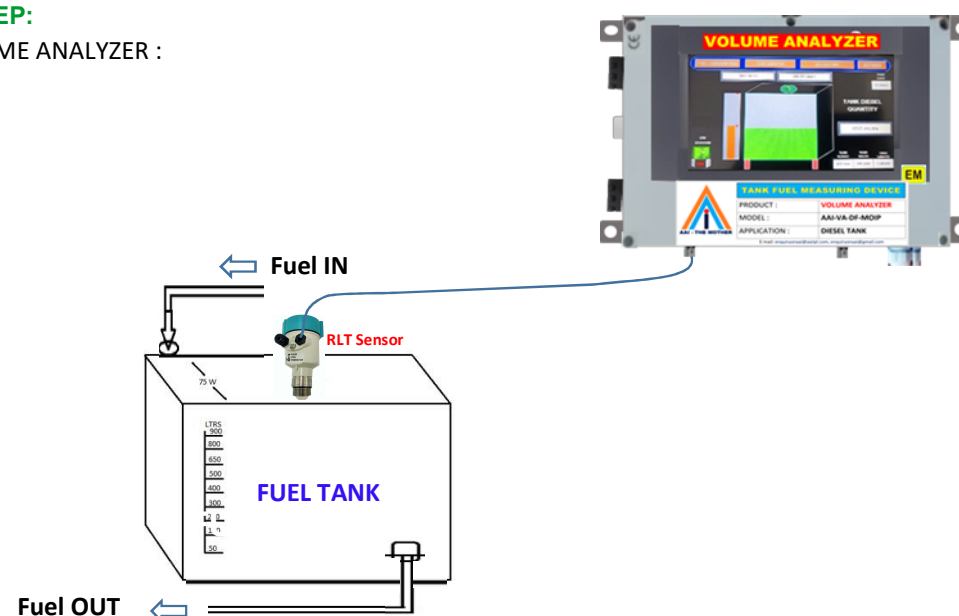
ACCESSORIES :

1) SS 304 Coupling of 1.5" BSP Internal Threaded

* Accessories and it's fitting with wedling on the top of Tank is in buyer scope.

INSTALLATION STEP:

Installation of VOLUME ANALYZER :



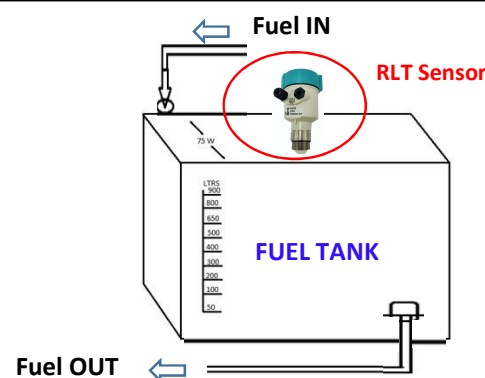
STEP-1 : Part-1 : RLT Sensor (Radar Level Transmitter) Installation :

Location = Top of the Tank

Connection = 1.5" BSP internal threaded

Direction = Sraight without restriction to measurement

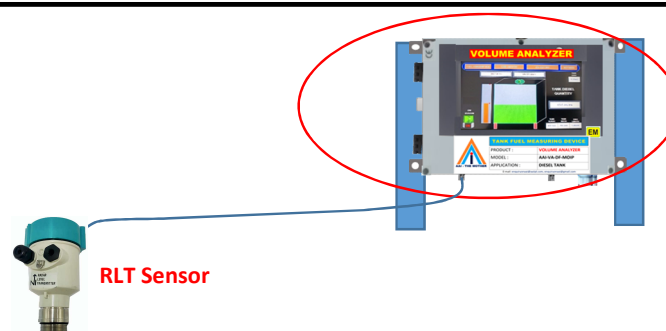
NOTE : RLT Sensor to be installed on TOP side of Tank only, where measurement of Level will be done properly till end of tank bottom.



STEP-2 : Part-2 : Electronic Module - EM Installation :

Connection = Mounting plate / Stand

Mounting plate / stand to be installed near Fuel Tank within 5 Meter



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VOLUME ANALYZER

TANK FUEL MEASURING DEVICE

1. PRODUCT CATALOGUE

R-2510

TERMINAL WIRING :

(FUTURE)	-RS/13	T1
	+RS/14	T2
0-10V DC Output	+AO3/3	T3
	-GND/12	T4
4-20mA Output	+AO5/5	T5
	-GND/12	T6
(FUTURE)	+DO1/16	T7
	-DO1/19	T8
100~230V AC POWER	L	T9
	N	T10



Mobus TCP/IP Output

SENSOR WIRING :



RLT
(SENSOR)
LEVEL SENSOR



DG
(STATUS)
P.F.C. FEEDBACK

DIMENSIONS (in MM) :

EM Display Unit :



RLT LEVEL TRANSMITTER :

