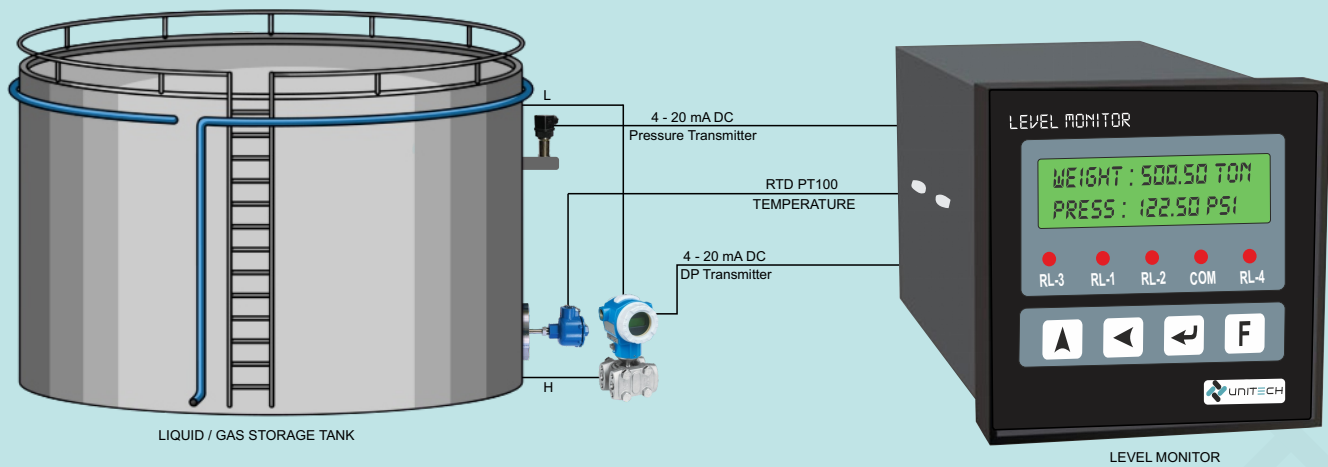


## LEVEL MONITORING SYSTEM



### TANK LEVEL MONITORING SYSTEM

#### INTRODUCTION

UNITTECH's Level Monitoring System can be suitable for Measurement of Liquid / GAS Level Measurement. The Level Monitor or Indicator accept data of Differential Pressure & Pressure & Temperature of Liquid or GAS.

The Live data can be accessed through GSM Remote Monitoring System (SMS) or SCADA software.

#### FEATURE

- ✦ Field operated user friendly menu for device configuration & calibration.
- ✦ Accept Inputs of 4 - 20 mA, 0 - 10 V DC and 3 Wire Pt100.
- ✦ Linear & Square Root Input Selection with 0.1 % Accuracy of FS.
- ✦ Isolated 0 / 4 - 20 mA DC Re - Transmission Output.
- ✦ Isolated highly communicative serial interfacing facility (RS232 / Rs485)
- ✦ Optional GSM mobile connectivity for wireless remote reading purpose.
- ✦ Weatherproof & Flame Proof enclosure available.
- ✦ Fully Password protected operation for Calibration & Configuration.

#### APPLICATION

- ✦ Remote Pipeline Measurement
- ✦ Chemical Batching in Hazardous Areas
- ✦ Tank Farm Level Monitoring
- ✦ Effluent Discharge Monitoring
- ✦ Crude Oil / Water Storage Measurement
- ✦ Solvent Storage and Batching Measurement.

## LEVEL MONITORING SYSTEM

## TECHNICAL SPECIFICATION

INPUT	Type of Input	DP Transmitter : 0 / 4 - 20 mA DC
		Pressure Transmitter : 0 / 4 - 20 mA DC
		Temperature : RTD PT100
	Accuracy	0.1 % of FS
	Range Limit	0.1 to 99999 Programmable with Decimal Point Selection
	Input impedance	>330 K for Voltage & 100 R for Current
Transmitter Power Supply	24 V DC @ 30 mA max. Isolated from I/p & O/p	
INDICATION	Display Indication	16 x 2 LCD Type : 5 Digit for Weight in Tons
		16 x 2 LCD Type : 5 Digit for Pressure & Temperature
	Display Resolution	2 Decimal Point in Weight, 1 Decimal Point in Pressure & Temperature
COMMUNICATION	Communication Protocol & method	Modbus RTU RS- 485/RS- 232 Communication
	Programmable parameter & Max No.	Baud rate,Parity , Node address , Stop bit & 0-256 unit
	Wireless Communication	GSM/GPRS base mobile(sms) Communication
GENERAL SPECIFICATION	Power Supply	110 / 240 V AC, 50 Hz or 12 / 24 V DC [Optional on Demand]
	Power Consumption	4 Watts Max.
	Operating ambient Temperature and Humidity	Tempe: 0 - 50 Degree C & RH: Below 90 % Non Condensing
	Programming of parameters	Through 4 tactile keys
Flame Proof	Enclosure [If Req.]	CMRI IIA, IIB External Keys & Cable Entries