

SEAMLESS DATA TRANSFER USER MANUAL



Specification

Power input	: 120VAC to 260VAC 50Hz
RLT Flow Meter Interface	: RS485, Shielded Twisted Pair
Modem Frequency	: 900 Mhz/1800Mhz
Modem GPRS Class	: Multi Class 12
Modem TX Power	: 2W @ GSM 1900, 1W @DCS 1800
Operating Temperature	: -30DegC to 70DegC
Storage Temperature	: -40DegC to 85DegC
Dimension	: Panel Mounting L186xH92xD190

1.0 Normal Menu

S No	Description	Function
1	SET Key	Nil
2	INC Key	Nil
3	DEC Key	Nil

LCD Display

S No	Display	Function	Description
1	S90 ID00001 1m	Actual Value Display	S90 – Last Connection GSM Signal Strength ID00001 – Instrument Serial No/ID for data Export to WEB 1m – Elapsed Minutes Transmission Interval
2	TOT-0000000000m3	- Do -	Totalizer value read from Flow meter RS485 Interface

LED INDICATION

S No	Display	Function	Description
1	TX	RS485	SDTS RS485 Transmission Flow Meter RS485 Reception
2	RX	RS485	SDTS RS485 Reception Flow Meter RS485 Transmission
3	Network	GSM	GSM Network Status Power UP During Transmission On time=off time = No Network On time<<off time = Network OK

2.0 Setting Menu

While Pressing SET key Power up Instrument, Instrument Enters into Setting Menu

S No	Description	Function
1	SET Key	Shift Next Digit, Store Setting, Configure Modem
2	INC Key	Value Increment
3	DEC Key	Value Decrement

LCD Display

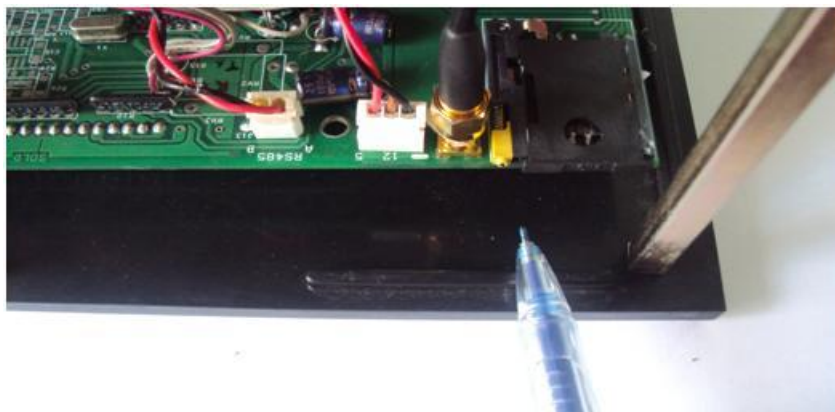
S No	Display	Function	Description
1	00 APN	Access Point Name	00 - Airtel
			01 – IDEA
			02 – Reliance 1
			03 – Reliance 2
			04 – Tata Docomo
			05 – VODAPHONE
			06 – BSNL
			07 – BSNL South
			XX – Airtel
2	00001 ID	Inst Serial Number	00001 to 99999, Server Export ID
3	0001 MIN	Data Upload Interval	0001 to 9999 Minutes
4	11111111..	Display Check	111... to 999.... Auto scroll
5	Modem con	GSM Modem Config	Modem Auto test
			NO SIM – Check SIM Holder
			NO Network – Activate SIM for GPRS connection.

3. FAQ

S No	Issue	Solutions
1	Totalizer = 0	a. Check Flow meter Totalizer b. Check TX LED Function c. Check RX LED Function d. Check MODBUS Setting in Flow meter MODBUS ID = 1 MODBUS RTU Baud rate=9600 Data bits=8 Stop bit = 1 No Parity e. Check continuity RS485 connection wiring from Flowmeter
2	NO SIM	Check SIM Position
3	NO Network	Activate SIM. Check Browsing on any mobile Phone with this SIM
4	ERROR during server connect.	Enable SIM for 2G data connection
5	Server connect OK, But No data log in WEB	Check 2G data connection balance and Recharge.
6	After IP address Display, No SENDOK message. Instead ERROR Display.	Check 2G data connection balance and Recharge.
7	No IP address Display.	Select correct APN for the service Provider. Check Browsing on any mobile Phone with this SIM

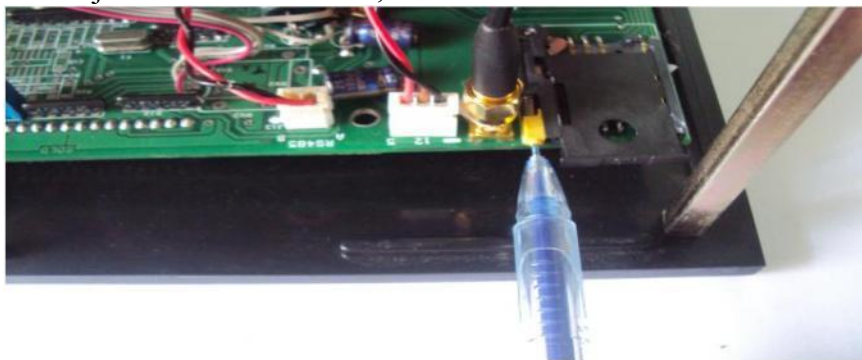
Installing New SIM

Step 1: Remove Instrument Top Cover



Step 2
Locate SIM
Holder at the
right Side of
the
Instrument

Press Eject Knob With a Nail, Don't use Screw Driver.



Place SIM

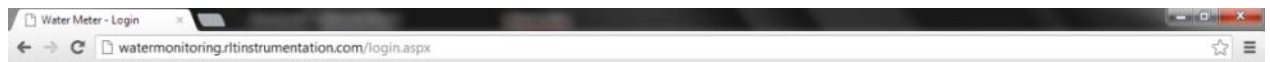


Insert in Holder



WATER METER - ADDING USER IN WEB

www.rtinstrumentation.com



Login to Water Monitoring System

Login

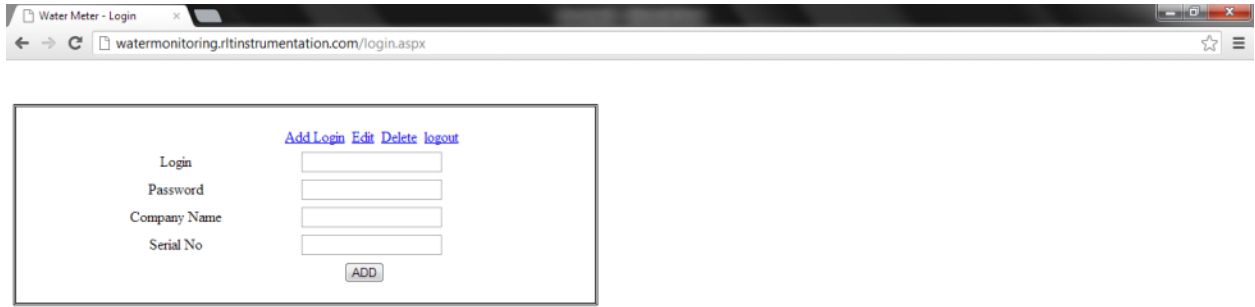
admin

Password

Login



Login : admin
Password : adisys

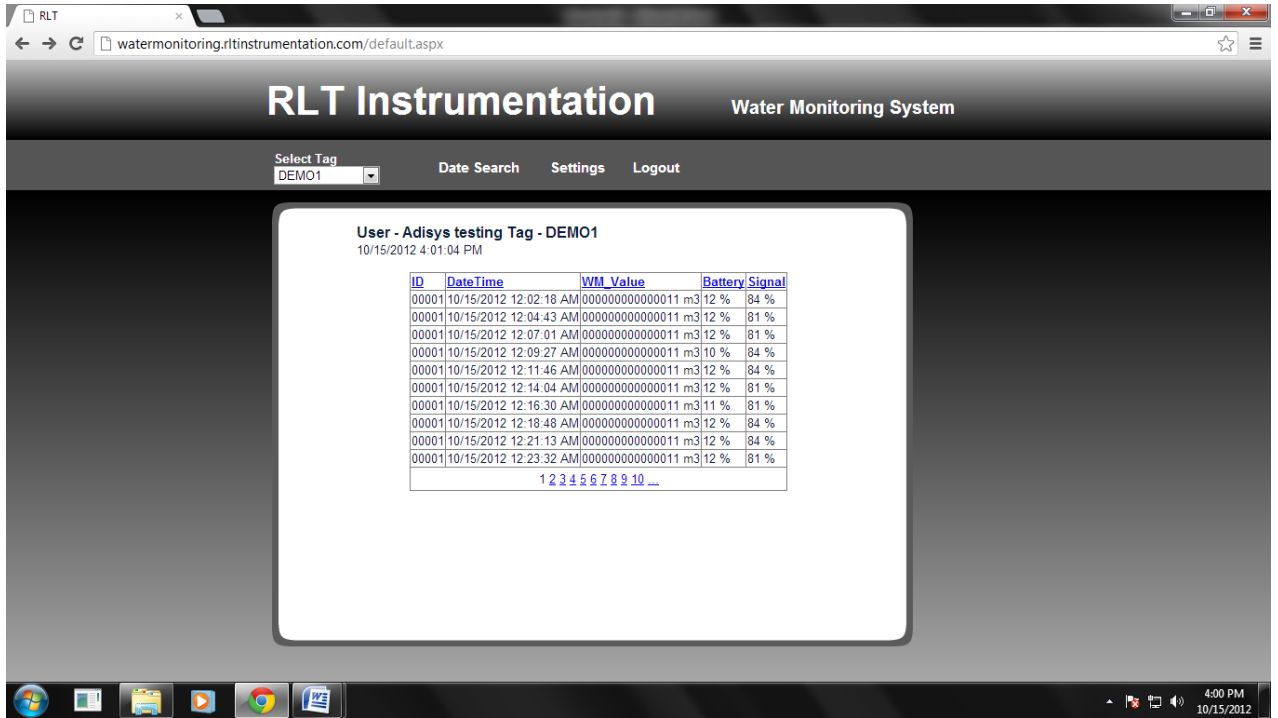


- Login – Type required login ID
- Password – Type required password
- Customer Name – Display in the TOP of user page and in excel report
- Serial No – First 2 Digit of 5 Digit serial No/ID in the field instrument (SDTS-1)

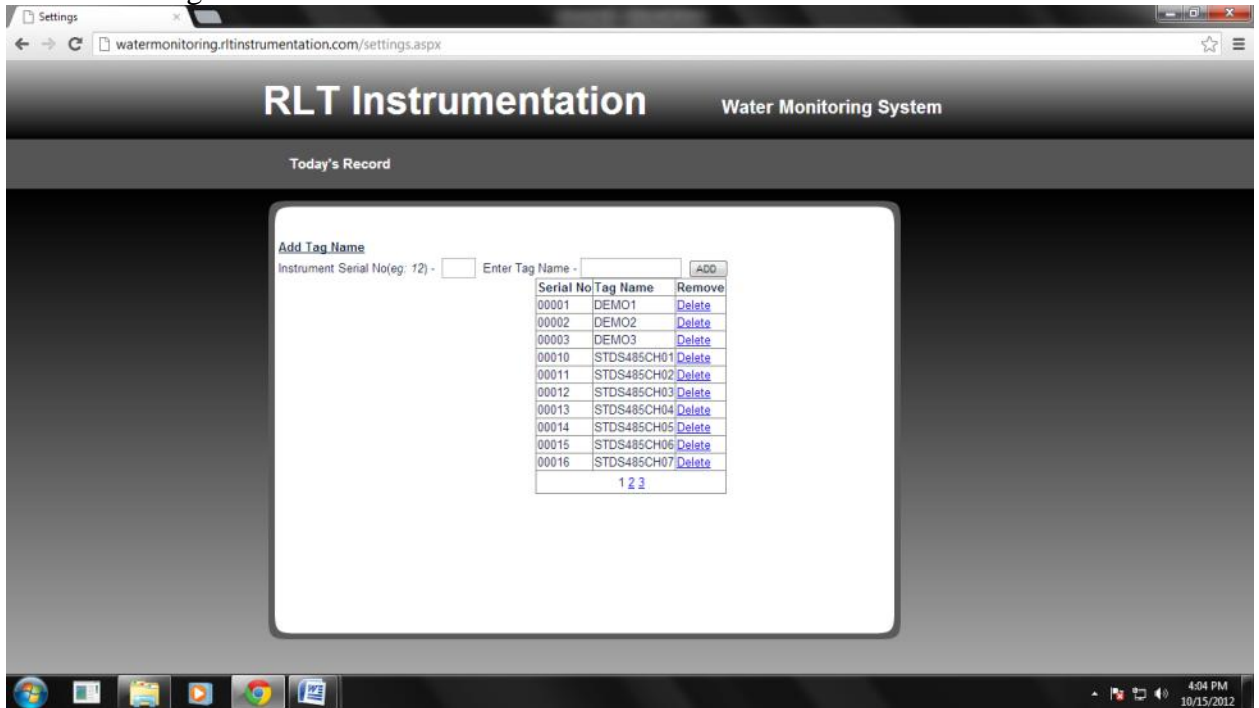
ADDING INSTRUMENTS IN USER



log in with the user name and password



Enter in Settings menu



Instrument Serial No: Enter Last 3 digit of the Field Instrument Serial no/ID (SDTS-1)
 Enter Tag Name: Type in required Name for the field Instrument (SDTS-1)