SEAMLESS DATA TRANSFER USER MANUAL



Specification
Power input
Maximum Server Connection
Flow Meter Interface
Minimum Pulse Width
Modem Frequency
Modem GPRS Class
Modem TX Power
Operating Temperature
Storage Temperature
Standard
Dimension

: Lithium Battery 3.6V/14Ah
: 5000 Cycles
: Pulse Input Active/Passive
: 500uS
: 900Mhz/1800Mhz
: Multi Class 12
: 2W @ GSM 1900, 1W @DCS 1800
: -30DegC to 70DegC
: -40DegC to 85DegC
: IP65

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	S90 – Last Connection GSM Signal
		Display	Strength
			ID00001 – Instrument Serial No/ID for data
			Export to WEB
			1m – Elapsed Minutes Transmission
			Interval
2	000000m3 BAT14	– Do -	Six Digit Totalizer value, Accumulated
			Pulse Input from Flow meter
			BAT Percentage
			14 = Battery Full
			8 = Battery Down
3	NO Display	- Sleep Mode	During Power up Data will be
		-	transmitted once and system will go to
			Sleep. LCD Will be OFF. Power Up after
			Set Interval in minutes.

LED INDICATION

S No	Display	Function	Description
1	TX	NA	
2	RX	NA	
3	Network	GSM	GSM Network Status
			Power UP During Transmission
			On time=off time = No Network
			On time< <off ok<="" td="" time="Network"></off>

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
4	INC and DEC	Previous Menu
	Simultaneously	

Note : Controller Operating Frequency is very low for Battery Operation.Key sensing time is higher. 1sec press and 1sec release.

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	000000	Match SDTB Totalizer	000000 to 999999m3
	TOTOFFSET	with Flow Meter	Shows Last Accumulated Value
5	0 PULSECNT	Mechanical Flow meter	Use this menu to read pulse count for
		Calibration	1cubicmeter.
6	001 KFACT	K Factor	Enter the value read in Pulse count menu
			for 1cubicMeter.
7	PA 000000 C	Totalizer validation	PA = Actual Pulse
	000000		C = Actual Pulse/Kfactor
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	Check Flow meter Magnetic Switch
2	NO SIM	Check SIM Position
3	NO Network	Activate SIM. Check Browsing on any mobile Phone
		with this SIM
4	ERROR during server	Enable SIM for 2G data connection
	connect.	
5	Server connect OK, But No	Check 2G data connection balance and Recharge.
	data log in WEB	

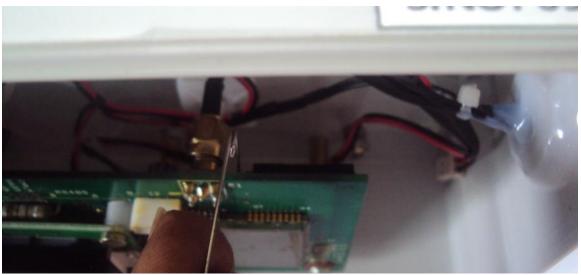
6	After IP address Display,	Check 2G data connection balance and Recharge.
	No SENDOK message.	
	Instead ERROR Display.	
7	No IP address Display.	Select correct APN for the service Provider. Check
		Browsing on any mobile Phone with this SIM
8	First time Data transmission	Since system operates at very low power. Last Residue
	Fails. During Battery	power remains. Remove the Battery Power wait for
	Connect.	1min and Reconnect to Board.
9	Network LED not glowing.	Since system operates at very low power. Last Residue
	During first time Battery	power remains. Remove the Battery Power wait for
	Connect.	1min and Reconnect to Board.
10	Transit	During Transit Battery connector can be removed to
		increase Battery Life.

Installing New SIM

Step 1: Remove Instrument Top Cover



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



Place SIM



Insert in Holder



WATER METER - ADDING USER IN WEB

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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

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