

## Model MECH FIELD STATION

### Rain gauge Station

#### Applications

- Measurement of Rainfall

#### Features

- Self Reporting
- Selectable Station ID.
- Local Data Storage for one year having Data retrieval facility with RS-232 serial interface, under command
- Local Display facility using 16X4 / 40 X 2 alphanumeric LCD display
- RS-232 Communication port
- Long range Transmission--- Using VHF/UHF/GSM/VSAT (optional) networks.
- Easy to Read & Calibrate
- Auto Reset facility after one year.
- Improved accuracy.
- Input power voltage 12 Vdc.



#### Description

This unit is designed for collection, storage and transmission of Rainfall data from remote Stations to control room.

Rainfall for current hour, Today's, Yesterday's and from defined date of start of monsoon (Generally 1<sup>st</sup> of June), Atmospheric temperature is continuously displayed.

Operate in harsh environment. and having facility for local retrieval of data using RS-232 serial interface

Powered with 12Vdc Hybrid (mains and Solar) power source so in case of power failure it works continuously.

Facility for internal hourly data backup for one year without applying external power so that in case of power failure data will not be lost.

Online rainfall data for 365 days is made available at control room without manual intervention for further analysis & Control.



**Specifications**

Input Power: 12-24 VDC / 230 VAC (optional)

Back up Battery:  terminal	Type	SMF	7 A-h.
	Capacity	Screw clamp	wire
	Connection	28-14 AWG	
Wire size			

Display 16X4 LCD .for local data display

I/O lines: D/I 1

Input Rain Pulses  
Temperature

Accuracy 0.5 % of the measured rainfall

Least count 0.5 mm.

Indicators: LEDs Power ON.  
Ext. Power not available

Mechanical: Material Aluminium

finish(Paint) RAL 7032

Dimensions 438X280X132mm.

Weight 4.5Kg. (9 Lbs)

Environmental: Temperature -20° to 60° C  
Relative Humidity 0 to 90 %.

**Ordering Information**

**Basic Model**

Model No.	Description
MECH_RGT	Rain Gauge Teletransmitting



**MECHATRONICS**  
Measurement and Control

481/C, “Shreepal Chambers” ,  
III rd Floor, Shaniwar Peth,  
Pune-411030, (INDIA).  
Ph.91-20-445 8272, Fax 91-20-4467729  
[www.mechinfosolutions.com](http://www.mechinfosolutions.com)  
Email: [mpbgs@vsnl.com](mailto:mpbgs@vsnl.com)