

## Model MECH DASTU RAIN

### Rain gauge Station

#### Applications

- Measurement of Rainfall

#### Features

- Self Reporting
- Selectable Station ID.
- Local Data Storage for one year @ 15 Min interval
- Having Data retrieval facility with RS-232 serial interface, under command
- Settable Data storage interval & Data Transmission interval
- Local Display facility using 20X4 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.
- Test mode facility with data log
- 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 (Data retrieval software is optional)

Powered with 12VDC Solar power source so as to works continuously.

Facility for internal data backup for one year at 15 Min. Interval

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



**Specifications**

Input Power:	12-VDC		
Back up Battery:	Type	SMF	
	Capacity		65 A-h.
	terminal Connection	Screw clamp wire	
	Wire size	28-14 AWG	
Display	20X4 LCD .for local data display		
I/O lines:	I/O Channels	16	
Input	Rain Pulses Temperature		
Accuracy	1 % of the measured rainfall		
Least count	0.5 mm or better		
Indicators: LEDs	Power ON. Ext. Power not available		
Mechanical:	Material	Alluminium	
finish(Paint)	RAL 7032		
Dimensions	As per standers		
Environmental:	Temperature	-20° to 60° C	
	Relative Humidity	0 to 99 %.	

**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.mechtronicspune.com](http://www.mechtronicspune.com)  
Email: [mpbgs@vsnl.com](mailto:mpbgs@vsnl.com)