

Model MECH DASTU

Data Acquisition Storage and Transmission Unit

Applications

- Collection of data from field instruments like Rain sensor, River level sensors, Flow meters, Automatic Weather Stations, etc.
- Measurement of Lake level, Flow, etc.
- Provides Reliable VHF / UHF Data links for serial (RS -232) Communications with remote instruments
- Appropriate for multiple- access network applications or simple point to point links
- Provides robust, economical point to multi point data links for SCADA installations for Dams and Canals

Features

- GPS engine unit for site identification and Real Time Clock
- Local Data Storage for one year having Data retrieval facility with RS-232 serial interface, under command
- Local Display facility using 16X 2 / 16X4 alphanumeric LCD display
- Custom configurable up to 64 channel digital and analog inputs
- RS-232 Communication port
- Long range Transmission--- Up to 100-Km line-of- sight with high gain antennas.
- Improved Data Storage and Transmission.
- Input power voltage 12 Vdc.



Description

The model MECH DASTU is designed for collection, storage and transmission of data from field instruments and control room and MCC

The MECH DASTU will operate in harsh environment and have capability to collect and storage data and also having facility for local retrieval of data using RS-232 serial interface

MECH DASTU can be powered with 12Vdc Hybrid (mains and Solar) power source so in case of power failure DASTU works without failure.

Facility for internal backup for one year data collection and storage without applying external power so that in case of communication failure / power failure data will not be lost.

Analog / Digital input can be configured



Specifications

Specifications subject to change without notice.

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Input Power: 12-24 VDC

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

Display 16X2 LCD for local data display

I/O lines:	D/O	D/I	24	24	16
single ended		A/I		A/O	
Up to 4					

Indicators: LEDs Power ON.
Back up Battery low

Mechanical: Materi

al	finish(Paint)	Alluminium	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
DASTU_001	For telemetry Rain gauge station
DASTU_002	For telemetry River gauge station
DASTU_003	For Canal Field station.
DASTU_004	For remote tank monitoring
DASTU_###	For custom applications



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