

REMOTE TRANSMISSION UNIT Model MECH DASTU

Applications

- Collection of data from field instruments like, Level sensors, Pressure sensors Flow meters, Doppler's, Energy meters, Temp. Sensors, Analytical transmitters, Hydro-meteorological sensors & RPM sensors etc.
- Water treatment Plant, Pumping stations, ESR/GSRs, Dam and Canal Gate Automation, Process Automation.
- 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 Water & Waste water, Dams and Canals etc.

Features

- Real Time Clock and station identification.
- Local Data Storage for one year having Data retrieval facility with RS-232 serial interface, under command
- Local Display facility using 20X4 alphanumeric LCD display with 8 / 16 key membrane keypad.
- Custom configurable up to 64 channel digital and analog inputs
- Three RS-232 ports, One RS-485, port. One SDI-12 port.
- Long range Transmission
- Improved Data Storage and Transmission.
- Remote Programmable.
- Data encryption for Security.



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

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

Analog / Digital input can be configured



Ordering Information

Specifications

Input Power:	12-24 VDC	
Processor	89c669 / Higher	
Display	20X4	LCD.For local data display
I/O lines:	D/O D/I A/I	16 Opto isolated 16 Opto isolated 8 / 16 / 32
Indicators:	LEDs	Power ON. Battery low
Communication:	Serial Ethernet	RS-232 – 3 Nos RS-485 – 1 No. SDI-12 – 1 No. One Ethernet Port
Data Transfer Rate	19200 bps	
Storage Memory:	512KB * 2	NV RAM (Internal)
External Memory:	32 MB Flash Expandable up to 1 GB (USB)	
Update time	1 Sec.	
Analog to Digital converter	24 Bit sigma delta	
Overall Cycle time	100 msec	
Cooling Method	self cooling	
Design Type	Modular	
Mechanical:	Material finish(Paint) Dimensions Weight	Alluminium RAL 7032 438X350X132mm. 4.5Kg. (9 Lbs)
Environmental:	Temperature Relative Humidity	- 5° to 60° C 0 to 99 %. NC
Programming	Local Remote	Using Keys/ PC/ Laptop Using telemetry N/W

Basic Model	CPU	AI 00	DI 00	DO 00
MECH_DASTU	C669	AI 08	DI 8	DO 8
		AI 16	DI 16	DO 16
		AI 32	DI 32	DO 32

Add 'S' for Serial interface or 'E' for Ethernet Interface at the end of order code



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