

DATA COLLECTION PLATFORM

Model *MECH DASTU- ML 6000i*

Applications

- Collection of data from field instruments like, Level sensor, Pressure sensor Flow meter, RPM meter, Doppler sensor, Energy meter, Temperature Sensor, Analytical transmitter, Hydro-meteorological sensors etc.
- **MECH DASTU ML-6000i** has been developed specifically for applications in the fields of hydrometry, meteorology, Water SCADA, Dam and Canal Automation, Process Automation etc.
- Appropriate for multiple- access network applications or simple point to point links

Features

- Real Time internal clock accuracy 2ppm /year from 0-40°C
- GPS Receiver (Optional)
- Local Data Storage for one year having Data retrieval facility
- Graphic display with backlight and membrane keypad.
- 32-Bit,80 Mhz, Arm Processor
- Windows Operating System
- Removable SD card Socket
- 2 RS-232 ports, 1 RS-485, port. 1 SDI-12 port. 1 Ethernet Port & 2 USB ports.
- 10/100 Base T Ethernet Port
- Interfacing facility with GSM/GPRS/ ISDN/Satellite/Radio transreceiver / OFC
- Improved Data collection & Storage
- Remote Programmable



Storage and transmission of data from field instruments to control room and MCS

It operates in harsh environment and having facility for local retrieval of data using RS-232 serial/ USB interface

It can be powered with 12Vdc Hybrid (mains and Solar) power source

ML-6000i offers 4 AI, 8 DI, 8 DO, 1 AO further can be extended using IO expansion module **EM-4880**



Specifications

Input Voltage:		10-19 VDC
Current:	Sleep mode Active, display off Active, display on	<10mA typical 70 mA typical 80 mA typical
General:	CPU	32 Bit, ARM
Display:	Monochrome, graphics Language	for local data display English
I/O lines:	D/I D/O A/I A/O	08 optically isolated 08 optically isolated 04 transient protected 01 transient protected
RTC:	Accuracy Battery	< 2 Sec/day Lithium Replaceable
Communication:	Serial Port USB Host USB Device Ethernet (Optional)*	RS-232 – 2 Nos RS-485 – 1 No SDI-12 – 1 No USB Port – 1 No. USB Port – 1 No. 10/100 Base T – 1 No.
Data Transfer Rate:	RS-232 SDI 12	115200 bps 1200 bps
Memory:	Program Memory Storage Memory: Removable Memory	256 KB Flash 4 MB Flash 16 GB Flash Internal Expandable to 8 MB SD card/ USB Host
Analog to Digital converter:		24 Bit
Programming:	Local OS	Using Keys/ Laptop Windows*
GPS (Optional)*	Frequency Antenna Format Acquisition sensitivity Tracking sensitivity Time PPS	1.57 Ghz. Passive NMEA-0183 format -160 dBm -160 dBm + 61 ns
Acquisition time:	Hot Start Warm Start Cold Start	> 01 Sec > 35 Sec > 35 Sec
Mechanical:	MOC Finish Size (HXWXD) Weight	Aluminum Scratch Finish 6" X 8" X 3" 4.3 lbs, 2 Kg. Approx.
Environmental:	Storage temperature Operating temperature Relative humidity	-20° to 80° C -20° to 60° C 0 to 100% NC

Ordering Information

MODEL	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
DASTU	AI	DI	DO	AO	GPS	Ethernet
6000i	4	8	8	1	G	E

Analog/Digital Expansion Module

MODEL	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
MODEL	AI	DI	DO	AO
EM - 4880	4	8	8	0
Add 'S' for Serial interface or 'SD' for SDI -12 Interface at the end of order code				



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