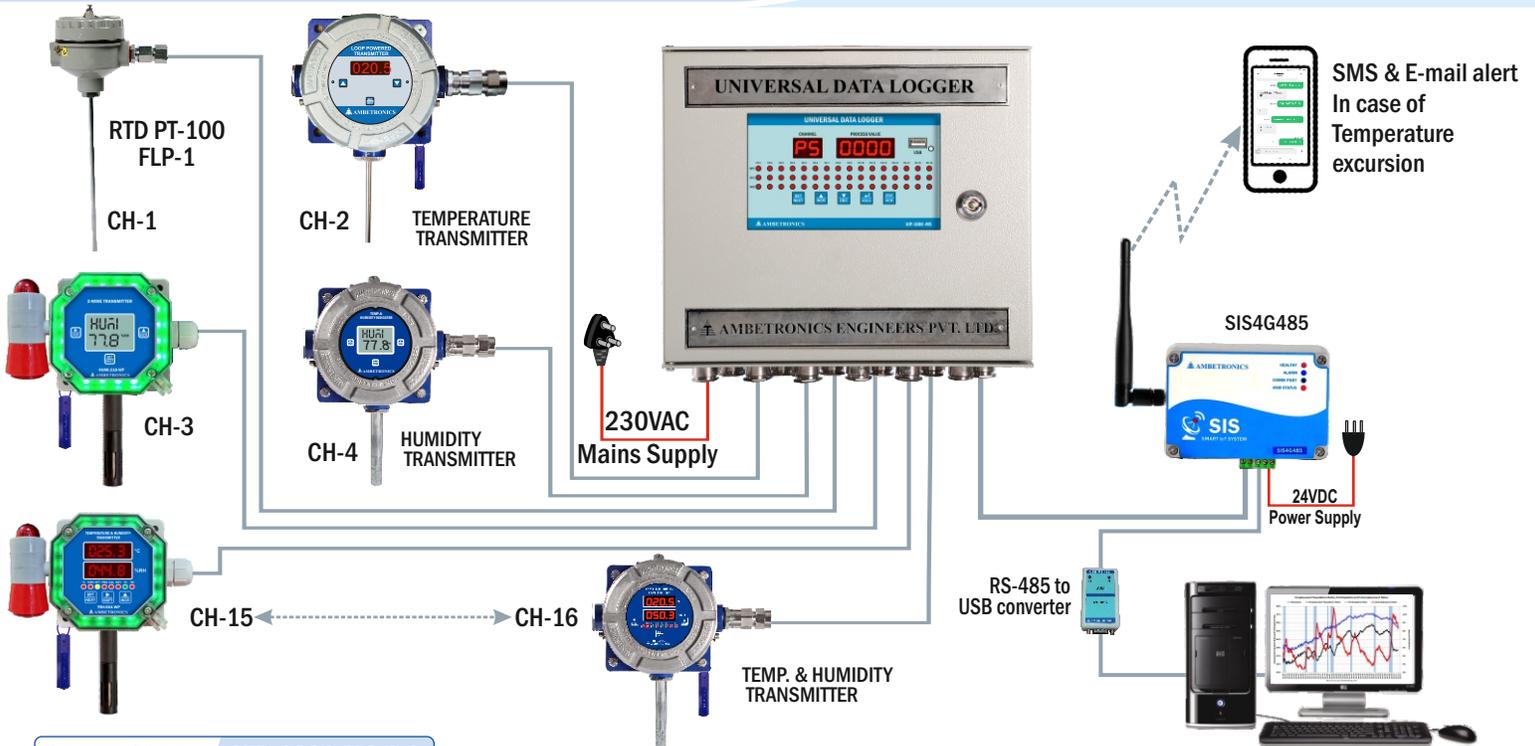


UIP-1600 -MS

Universal Data Scanner/Logger



AMBETRONICS
AN ISO 9001:2015 CERTIFIED COMPANY



ORDER CODE : **UIP-1600-MS-0-0**

Features

- Used latest microcontroller based technology for better accuracy
- 16 channel input 4-20mA programmable by user
- Easy on-line field calibration by front panel membrane keypad
- Field programmable channel scan time 1-240 sec., logging interval 1-9999 sec & printing interval 1-9999 sec.
- Remote acknowledgement facility for relays
- Optional RS-485 Modbus serial port
- Optional Serial Printing Port
- Optional USB host (For Pen Drive) for online / logged data report
- Optional Separate external relay module for Alarm-1, Alarm-2 & Healthy indication. Provided separate relay output per channel for AL1, AL2 & Healthy indication.

Applications

- Fertilizer Plants
- Oil & Gas Industries
- Chemical Storage Area
- Refineries
- Chemical Processing Plant
- Offshore Drilling & Processing Platforms
- Gas Metering Stations
- Bullet Yard / Storage Yard
- Gas Pipeline Projects
- Chemical & Petrochemical Plants
- Hotel Industries
- Power Industrial Plants

TECHNICAL SPECIFICATIONS

INPUTS	RANGE		RESOLUTION	ACCURACY
	Minimum	Maximum	NORMAL	FULL SCALE
RTD PT-100 (3 WIRE) / ((4 WIRE)	- 200°C	400.0°C	0.1	± 0.25%
RTD (Cu-53)	- 50.0°C	150.0°C	0.1	± 0.25%
J - Type (Fe - CON)	- 50.0°C	600.0°C	0.1	± 0.25%
K - Type (Cr - Al)	- 50.0°C	500°C	0.1	± 0.25%
K - Type (Cr - Al),	- 100°C	1200°C	1	± 0.25%
R-Type (PT - 13%Rh / PT), S-Type (PT - 13%Rh / PT)	0°C	1750°C	1	± 0.25%
T - Type (Cu / CON)	-200°C	400.0°C	0.1	± 0.25%
N-Type, E-Type (NI Cr / CON)	0°C	1300°C	1	± 0.25%
B-Type (PT 30% Rh / PT 6% Rh)	+400°C	1820°C	1	± 0.25%
4 To 20mA / 0 To 20mA	- 9999	99999	Programmable By user	± 0.25%
Voltage (0 To 1 VDC / 0 To 10 VDC)	- 9999	99999		± 0.25%

MUST FOR HUMAN & INDUSTRIAL SAFETY

TECHNICAL SPECIFICATIONS

General :

- Display** : 4 digits of 13 mm height Red L.E.D 7 segment display for 'Process Value' indication 2 digit of 13 mm height Red L.E.D 7 segment display for 'Channel Number' indication
- Input** : 4-20mA
- Range** : 0-9999
- Accuracy** : ± 0.25%
- Control Action** : Low /High control action for the Alarm 1 & Alarm 2 (user programmable)
- Setting** : Setting by 5 keypad on front panel 'SET/NEXT', '8/DECREMENT', 'ENTER/HOLD', 'ESC/ACK' for Panel Mount & WP model and push button keys for FLP model.
- L.E.D. Indication** : 8/16 Nos. RED LEDs of 3mm each for Alarm 1, Alarm 2, Healthy indications for CH-1 to CH-8/CH-1 to CH-16 for UIP-800/ UIP-1600 respectively.
- Set Point** : 2 independent user programmable set points for each channel with 4 common relay outputs & relay outputs common for CH-1 to CH-8/CH-1 to CH-16 assignable to a particular channel. User settable latching for 4 common relays. If fail safe condition is needed then only 3 relays will be available for alarms. For Relay-1, Relay-2, Relay-3 and Relay-4. Remote Acknowledgment facility for Relays
- Note** : If fail safe relay condition select yes, then we can use three relay for alarm condition.

Performance

- Monitoring of Error Condition** : Gas Detector 'Break / Open' display shows 'oPEn' indication. Under range 'Undr'. Over range 'ouEr' indication for Gas Detector Inputs
- Scan Time** : 1 to 240 sec scan time between each channel; programmable by user
- Print Interval (Optional)** : 1 to 9999 Sec for Direct print out on 80 Column EPSON LX-310 Dot Matrix Serial Printer
- Logging Interval (Optional)** : 1 to 9999 Sec log interval for data logger model; programmable by user
- Logging internal memory (Optional)** : Max.8000 readings storing capacity for all 16 channel Data Logger model.

Environmental :

- Operating Temperature** : - 40°C to 85°C
- Relative Humidity** : Below 95%RH non condensing

MS Panel Housing :

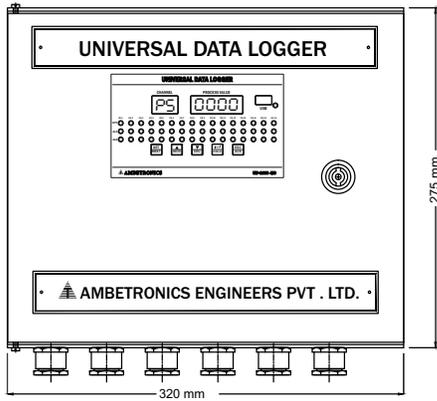
- Protection Class** : IP-50
- Cabinet Material** : Metal sheet Siemens Grey colour
- Cable Entry** : Single Compression Gland
- Dimension** : 275 mm (H) x 320 mm (W) x 100 mm (D)(without gland)
- Mounting** : Wall Mounting / Stand Mounting
- Weight** : Approx 6.1 Kg

Electrical :

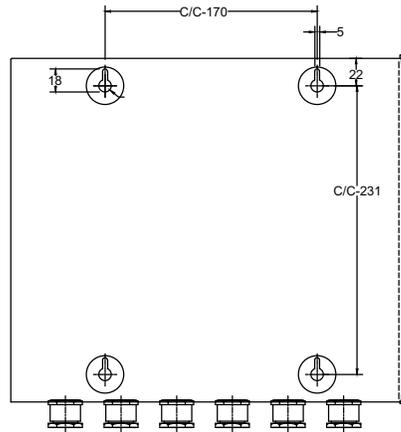
- Supply Voltage** : 90 to 270 VAC, 50Hz OR 110 VDC to 270VDC
- Frequency** : 50Hz

DIMENSIONAL DETAILS

FRONT VIEW



BACK VIEW



SIDE VIEW



ORDERING INFORMATION

UIP-1600-MS-X-X

- MODEL NO.**
0) 1600 SCANNER
1) 1600D LOGGER
- ENCLOSURE**
- RS-485**
0) NONE
1) YES
- USB INTERFACE**
0) NONE
1) YES

Manufactured by :



AMBETRONICS ENGINEERS PVT. LTD.

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