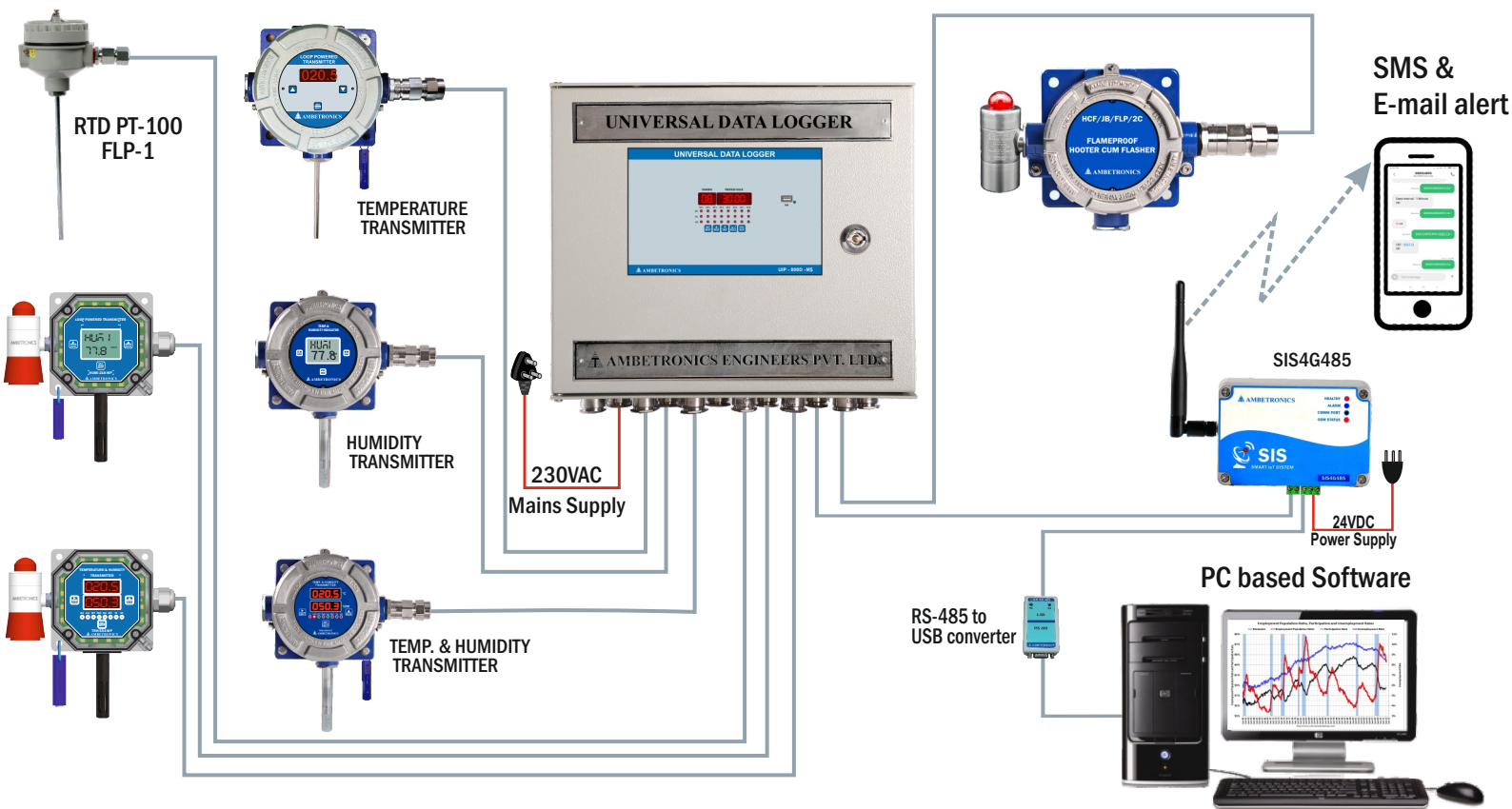


UIP-800 -MS

Universal Data Scanner/Logger



AMBETRONICS
AN ISO 9001:2015 CERTIFIED COMPANY



ORDER CODE : UIP-800-MS-0-0

Features

- Used latest microcontroller based technology for better accuracy
- 8 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- (Resolution)	- 99.9 °C	400.0 °C	0.1	± 0.25%
RTD PT-100 (Without Resolution)	- 99 °C	400 °C	1	± 0.25%
J - Type (Fe - CON)	-100 °C	750 °C	1	± 0.25%
K - Type (Cr - Al)	-100 °C	1200 °C	1	± 0.25%
R-Type (PT - 13%Rh / PT), S-Type (PT - 10%RH / PT)	-50 °C	1750 °C	1	± 0.25%
T - Type (Cu / CON)	-99.9 °C	400.0 °C	0.1	± 0.25%
B-Type (PT 30% Rh / PT 6% Rh)	+400 °C	1820 °C	1	± 0.25%
N - Type	-100 °C	1200 °C	1	± 0.25%
4 To 20mA	- 999	9999	Programmable by User	± 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 Nos. RED LEDs of 3mm each for alarm 1, alarm 2, Healthy indications for CH-1 to CH-8 for UIP-800 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 assignable to a particular channel. User settable latching for 4 common relays.
Relay Output	: Relay output -NO/C/NC Relay Contact rated 5A/230VAC, for Relay-1, Relay-2, Relay-3 and Relay-4. acknowledgement facility for Relays

Note : If fail safe relay condition select yes, then we can use three relay for alarm condition.

Electrical

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

Environmental

Operating Temperature	: -10°C To 60° C
Relative Humidity	: Below 95%RH non condensing

Performance

Monitoring of Error	: Gas Detector 'Break / Open' display shows 'oPEN' indication. Condition 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	: 1 to 9999 Sec for Direct print out on 80 Column EPSON LX-310 Dot (Optional) Matrix Serial Printer
Logging Interval	: 1 to 9999 Sec log interval for data logger model; (Optional) programmable by user
Logging internal memory (Optional)	: Max. 8000 readings storing capacity for all 8 channel Data Logger model

Optional

- a) Isolated RS-485-1 serial port with MODBUS RTU protocol output.
- b) Isolated RS-485-2 for External Alarm Relay Module.
- c) Isolated serial port for direct printout on 80 column Dot Matrix serial printer without need of Computer (PC)
- d) USB host (Pen Drive) connectivity for online and log data report immediate (Use FAT-32 configure Pen Drive).
- e) Data Acquisition Softwares for online graphs & history data reports

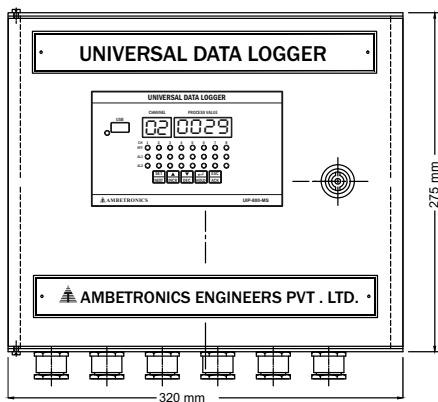
Note : 'c' and 'd' not available in FLP Model.

MS Panel Housing

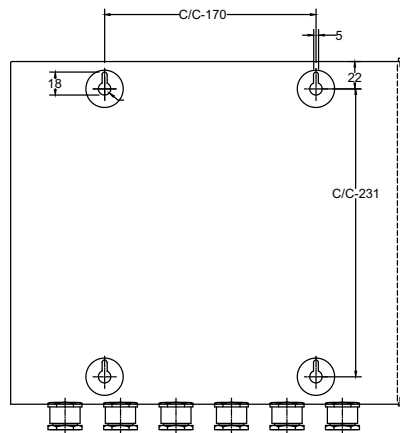
Protection Class	: IP-50
Cabinet Material	: Metal sheet Siemens Grey colour
Cable Entry	: Single Compression Gland
Dimension	: 275 mm (H) x 320 mm (W) x 100 mm (D)(without gland)
Mounting	: Wall Mounting / Stand Mounting
Weight	: Approx 6.1 Kg

DIMENSIONAL DETAILS

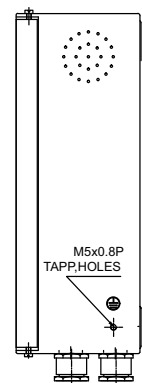
FRONT VIEW



BACK VIEW



SIDE VIEW



ORDERING INFORMATION

UIP-800-MS-X-X

MODEL NO. 0) 800 SCANNER 1) 800D LOGGER	ENCLOSURE	RS-485 0) NONE 1) YES	USB INTERFACE 0) NONE 1) YES
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Manufactured by :



AMBETRONICS ENGINEERS PVT. LTD.

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