

# DATALOGGER SPECIFICATIONS

| S.NO. | PARAMETER              | DETAILS  |
|-------|------------------------|--|
| 1     | POWER SUPPLY           | 9-36VDC UNIVERSAL POWER OPERATED WITH BUCK REGULATION TECHNOLOGY AND REVERSE POLARITY COMPATIBLE   |
| 2     | DATA INPUT             | 1. RS485 MODBUS-RTU INPUT WITH ESD PROTECTION.<br>2. 4-20mA ANALOG INPUT.  |
| 3     | DATA OUTPUT            | 1. UPLOAD TO CLOUD VIA GSM-GPRS AT CONFIGURABLE INTERVAL.<br>2. UPLOAD TO CLOUD VIA WIFI AT CONFIGURABLE INTERVAL.<br>3. SAVE TO INTERNAL 1MB FLASH MEMORY IN CASE OF LOW NETWORK COVERAGE AREA, LATER UPLOAD. |
| 4     | INDICATIONS            | 1. DIFFERENT BUZZER SOUNDS FOR DIFFERENT EVENTS<br>2. GSM NETWORK AND POWER LED FOR INDICATION.  |
| 5     | TIME                   | AUTOMATIC ACCURATE TIME SYNCING WITH<br>1. GSM NETWORK TIME(USING GSM).<br>2. TIME SERVERS(NTP)(USING WIFI).   |
| 6     | GSM                    | 2G GSM/GPRS MODULE<br>BAND - 850/ 900/ 1800/ 1900MHz , GPRS - Class 12   |
| 7     | WIFI                   | 802.11 b/g/n WIFI FUNCTIONALITY  |
| 8     | PROCESSOR              | 1. Dual-core 32-bit LX6 Microprocessor<br>2. 448 KB ROM<br>3. 520 KB SRAM  |
| 9     | MEMORY                 | INTERNAL FLASH MEMORY FOR STORING UPTO <b>40,000</b> RECORDS.  |
| 10    | COMMUNICATION PROTOCOL | 1. TCP/IP (JSON)<br>2. HTTP (IF REQUIRED)<br>3. MQTT(JSON, IF REQUIRED)  |
| 11    | SMS COMMAND & ALERTS   | 1. SUPPORTS SMS COMMAND FUNCTIONS FOR CONFIGURATIONS.<br>2. SUPPORTS VARIOUS SMS ALERTS FOR SETTING CHANGE   |
| 12    | FIRMWARE UPDATE        | SUPPORTS FOTA(FIRMWARE UPDATE OVER THE AIR)  |
| 13    | NETWORK SWITCHING      | CAN SWITCH BETWEEN WIFI AND GPRS ACCORDING TO AVAILABILITY, PRIORITY GOES TO WIFI FOR COST SAVING  |
| 14    | APN SETTING            | FULLY AUTOMATIC APN SELECTION FOR ANY NETWORK OPERATOR ACROSS INDIA  |
| 15    | MOUNTING               | EASY DIN RAIL MOUNT, GOOD FOR INSTALLING IN PANEL  |
| 16    | DIMENSIONS             | 47*105*48 (mm)   |
| 17    | WEIGHT                 | LESS THAN 350gms   |