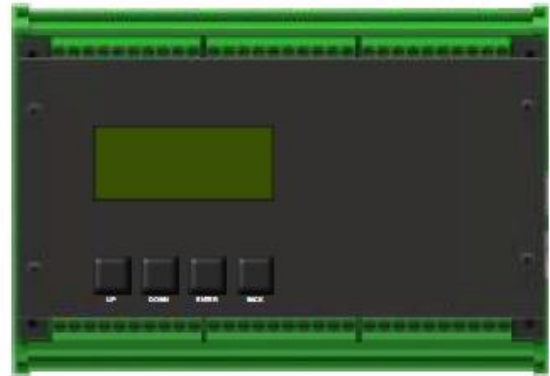


# ENVIRONMENTAL DATA LOGGERS

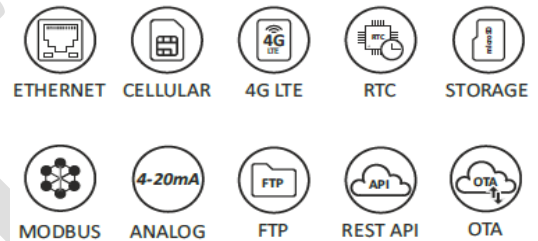


## HydroMet Data Logger

SS-HydroMet is the latest data logger of S S Micro Electronics Technology Pvt Ltd. It contains the most efficient technical solutions regarding data acquisition systems. SS-HydroMet is created with the clear need to be an autonomous acquisition system, but also integrated into more complex systems. Based on a latest technology, it contains the power of this kind of operating system, but also an optimized hardware with extreme low consumption. Also, the usability and data management as well as the data output part has been designed having in mind the most modern needs.



SS-HydroMet is a perfect synthesis between the classic needs of meteorological monitoring and the needs of those who want to acquire environmental parameters to manage them through complex systems, integrated in IOT net-works or in local systems.



## Technical Specifications

| SS-HydroMet           |   |
|-----------------------|---|
| Description           | SS-HydroMet Data Logger   |
| Input type            | Terminal block  |
| Analog inputs         | 08 x 4-20mA (Single Ended $\pm 0.1\%$ of FS)<br>08 x 0-5V ((Single Ended $\pm 0.1\%$ of FS)             |
| Digital inputs        | 04 x Digital Inputs (02 x Pulse Inputs)   |
| Digital outputs       | 04 x Digital Outputs (Open Collector, 125mA/ch)   |
| RS232 ports           | 01  |
| RS485 ports           | 02 x EIA RS485  |
| USB ports             | 01 (USB 2.0)  |
| Switched Power        | 04 (100mA/channel, V: Power Input - 0.7V)   |
| Connectivity          | Ethernet & GSM/GPRS (4G) Quad Band FDD LTE, TDD LTE, TDSCDMA, WCDMA CDMA2000 1x/EVDO, GSM (900/1800MHz) |
| GPS                   | Inbuilt GPS with GPRS modem (Optional)  |
| Data Logging          | 1 min - 24 hours / reading  |
| Data Transmission     | Real Time   |
| Storage               | 2GB microSD Card (Ext. Temperature Range)   |
| Voltage               | 9-24 VDC $\pm 10\%$ (Nominal 12VDC)   |
| Power                 | 5W (peak)   |
| Protection            | Surge protection on sensor inputs, Over voltage and reverse polarity protection on Power Input          |
| Clock                 | Internal (Stability 1ppm/yr) with 1yr backup  |
| Configuration         | HMI, WebUI (Local LAN), Cloud, USB  |
| Display Type          | 4x16 Character LCD Display  |
| Keypad                | 4 x Keys (Up, Down Enter, Back)   |
| Operating Temperature | -20 to 70 °C  |

# ENVIRONMENTAL DATA LOGGERS



|            |                              |
|------------|------------------------------|
| Humidity   | 0 to 95% RH (non-condensing) |
| Dimensions | 182.2 x 125.4 x 80.3 mm      |
| Mounting   | DIN Rail                     |
| Weight     | 550 gms approx.              |
| Material   | ABS                          |

SSMET