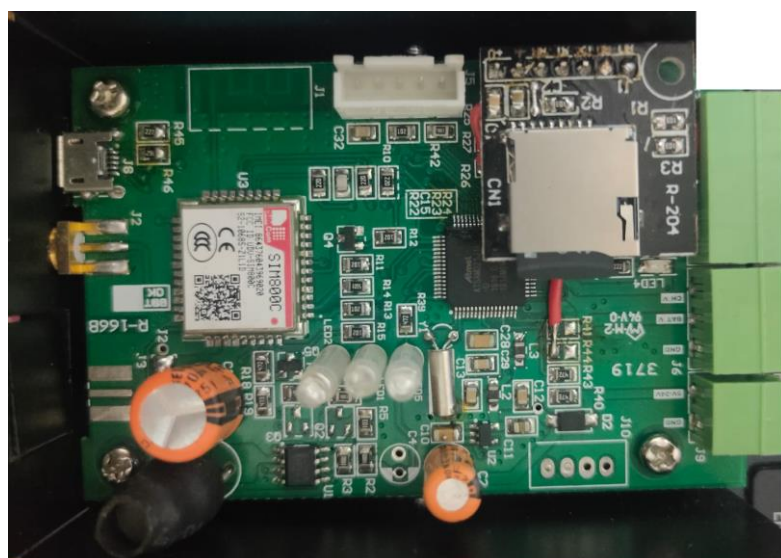


Datasheet- Data Logger HTS-300C

Specifications:

Parameters	Specifications
Model No.	HTS-300C
Supply Voltage	7V-24V DC/2A (Reverse Polarity Protection: Yes)
MCU	Atmel ARM Cortex M0+ 32 bit
GSM /GPRS	Quad Band 850/900/1800/1900 MHz GPRS Mobile Station Class B
Storage	Micro SD card (SDHC)(Optional) Support up to 4 GB Card
USB Interface	Inbuilt Micro USB 2.0 (Used for Device Configuration)
RS-485 Interface	Support Standard Modbus protocol to read parameters of Inverter
LED indication	Data transmission status Connectivity
Ambient Temperature	0°C to 60°C
Data Protocol	Support HTTP/HTTPS
Basic SMS Configuration	Yes Supported



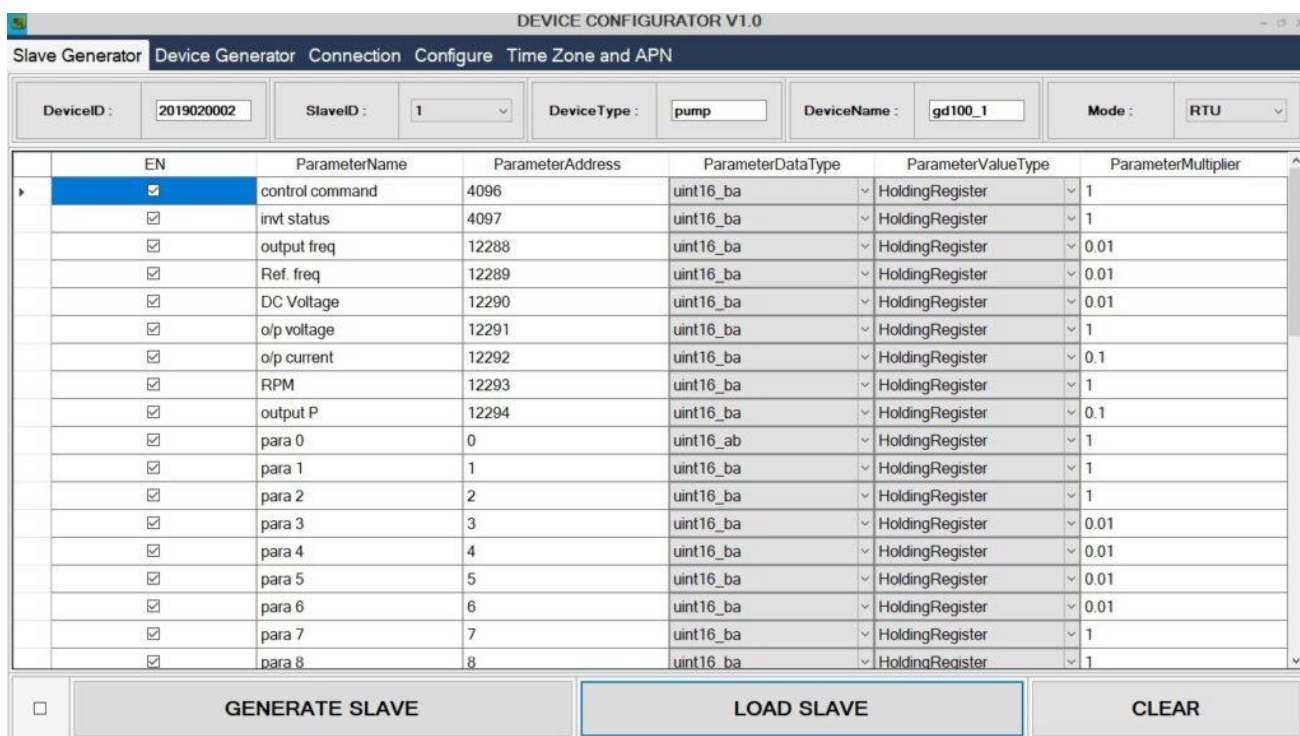
Data Format: Json

```
{
  "device_type": "3acf237d",
  "device_name": "3acf237d1",
  "device_id": "66b34859a1",
  "date": "22/02/2022",
  "time": "22:39:39",
  "time_zone": "Europe/London",
  "latitude": "0",
  "longitude": "0",
  "software_ver": "B6.60",
  "signal_strength": "2",
  "valid": true,
  "data": {
    "1": 512,
    "2": 0,
    "3": 0,
    "4": 0,
    "5": 512,
    "6": 0,
    "slave_id": "1"
  }
}
```

Device Configuration

RMU required configuration while using for the first time. It will be configured through PC/OVER THE AIR.

1) Slave Generator Screen: In this screen you can configure Slave device (which is support standard Modbus protocol) like On grid inverter, Weather Unit etc. You have the flexible setting option for Modbus parameters like Modbus address, datatype, Function code, Multiplier factor.



2) Device Configuration Screen:

You can easily configure up to 10 nos. or more Modbus supported device, All Device separately add with unique device identification no. and communication address.

You have to set following parameters in this screen.

- Primary URL (eg. https://trackso.in/8080)
- Log interval in seconds
- Slave comm. Address
- Mode RTU/Ascii

After Setting all parameters you can generate parameter file (Json format) which will save for future use.

SR. No.	EN	Browse	File Name	DeviceID	DeviceSlaveID	DeviceType	DeviceName	Mode
1	<input type="checkbox"/>	C:\Users\Chetan\Desktop\Configuration\CHF100A.dscptr	2019020002	1	pump	gd100_1	RTU
2	<input type="checkbox"/>	C:\Users\Chetan\Desktop\Configuration\GoodWE_INVT.dscptr	2019030016	2	invtr	goodwe	RTU
3	<input type="checkbox"/>	C:\Users\Chetan\Desktop\Configuration\invtr.dscptr	2019020005	3	invtr	invtr	RTU
4	<input type="checkbox"/>	C:\Users\Chetan\Desktop\Configuration\Weather_HT5500.dsc	2019030001	4	weather	HT5500	RTU
5	<input type="checkbox"/>	C:\Users\Chetan\Desktop\Configuration\weather_unit.dscptr	2019030001	5	weather	HT5500	RTU
6	<input type="checkbox"/>			1			RTU
7	<input type="checkbox"/>			1			RTU
8	<input type="checkbox"/>			1			RTU
9	<input type="checkbox"/>			1			RTU
10	<input type="checkbox"/>			1			RTU

3) Connection Screen: After Generating Device file (Json format), you can connect RMU with PC/laptop via USB & set proper Port connection, Baud rate, Parity bit & Stop bits.

ComPort :	
BaudRate :	115200
Parity :	None
StopBits :	One
Connect	DisConnect

4) Configure Screen: When Device will connect with PC/Laptop, you can download configure file (.Json) to RMU.

Further you have option to set Non-SSL/ SSL connection & authorization key.

Erase Flash	Start Address(Hex)	End Address(Hex)
	00000	FFFFFF

Browse	File Name	Address(Hex)	Size(Hex)	Download
...	C:\Users\Chetan\Desktop\Configuration\10gc	00000	2CB88	

SSL Connection	<input checked="" type="checkbox"/>
KEY Support	<input checked="" type="checkbox"/>
KEY Name :	<input type="text"/>
KEY Value :	<input type="text"/>
Read All	Write All

5) Wi-Fi Network Setup Tool:

Time Zone :	(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi
tz Database Time Zone :	Asia/Kolkata
UTC Offset :	HH: 5 MM: 30
READ ALL	WRITE ALL

APN :	internet
User Name :	<input type="text"/>
Password :	<input type="text"/>
READ ALL	WRITE ALL

SMS Commands

Restart: SYSRST

Set APN by SMS: SETAPN,APN,USER_NAME,USER_PASSWORD