



RAIN GAUGE SENSOR

Luasan Cuplik 200 cm²
 Tipe Sensor Magnetic Reed Switch
 Ketelitian 0,5mm
 Bahan Tabung Cuplik Stainless Steel
 Bahan Ring Cuplik Kuningan
 Output Reed Switch Pulse
 Operating Temperature -20°...to 70°C
 Dimensi Alat 20 x 50 cm



WIND SPEED SENSOR

Output 4-20 mA
 Supply Voltage 5V,12-24V
 Load Capacity <500Ω (typ <250Ω)
 Range 0-45 m/s
 Accuracy ±(0.3+0.03V)m/s
 Starting Threshold <0.5m/s
 Limit Wind Speed 50m/s
 Operating Temperature -40°...to 50°C
 Ingress Protection IP65



WIND DIRECTION SENSOR

Output 4-20 mA
 Supply Voltage 5V,12-24V
 Load Capacity <500Ω (typ <250Ω)
 Range 0-360°
 Accuracy ±3°
 Resolution 1°
 Starting Threshold <0.5 m/s
 Limit Wind Speed 50m/s
 Operating Temperature -40°...to 50°C
 Ingress Protection IP65



SOLAR RADIATION SENSOR

Output 4-20 mA
 Supply Voltage 5V,12-24V
 Response Time < 5s
 Spectral Range 300 ~ 3000 nm
 Range 0 ~ 1500 W/m²
 Operating Temperature -40°...to 80°C
 Ingress Protection IP65



TEMPERATURE, HUMIDITY & PRESSURE SENSOR

Output 4-20 mA
 Supply Voltage 5V,12-24V
 Current Consumption <20mA
 Storage 10-60°C@20%-90%RH
 Protection Radiation Shield
 Operating Temperature -40°...to 80°C
 Ingress Protection Ip65

TEMPERATURE
 Range -40°C ~ 60°C
 Resolution 0.1°C
 Accuracy ±0.5°C

PRESSURE
 Range 10~110kPa (100~1100mbar)
 Resolution 0.1 mbar
 Accuracy ±1 mbar

HUMIDITY
 Range 0~100%RH
 Resolution 0.5%RH
 Accuracy ±3%RH

GPA DATA LOGGER

Processor/CPU	ATMEGA1280V @3,6864 Mhz (Primer)
External Memory	16 GB
Input Sensor	8 channel analog input sensor, 1 channel Rs485 sensor, 2 channel digital pulse Counter, sensor baterai
Tampilan	LCD 2 x 16 Karakter
ADC	@38ksps akuisisi 32-bit (teknik over sampling)
Port Komunikasi	
RS-232	2 Unit
USB	1 Unit
Pengiriman Data	Via SMS & GPRS dengan metode Request, Scheduling dan Event
Catu Daya	DC 12 Volt
Menu Alat	Bahasa Indonesia
Bahan	Aluminium Casting
Operating Temperature	-20 ... to 70° c
Tombol Operasi	3 Tombol (Set, Up,Down) untuk pengaturan parameter

GSM MODEM

Modem	GSM Quad Band 850/900/1800/1900 MHZ & GPRS,SMS/Data, GSM kelas industri
Display	LCD 2x16 Karakter (menampilkan tanggal, waktu, status modem)
Layanan Data	GPRS (Transfer Data via website dan email) SMS (request data alarm dan otomatis mengirimkan data serta alarm)
Security Alarm	Tersedia port untuk alarm keamanan pada box panel dikirim ke nomor server dan 5 nomor handphone terdaftar
Auto Redial Modem	minimal soft reset dan hard reset kestabilan dan kehandalan ; autorestart
Kecepatan Data	19200 bps
Port	Rs232 interface serial port, Power Supply 12V DC
Dimensi Alat	Bahan Aluminium. (12 x 17 x 5,5)cm
Menu Alat	Bahasa Indonesia
Menu Software	Bahasa Indonesia

SOLAR CELL

Daya	Maks 50 watt, ±10%; max. 21,97 Volt serta max. DC 3,25 A
Tegangan Keluaran	Maks 14 Volt
Arus Pemakaian	max. DC 40 AH
Kelengkapan	Dudukan Solar Cell disesuaikan dan terhubung ke Regulator

REGULATOR CHARGER

Tegangan Masukan	12 Volt
Arus Keluaran	Maks DC 10 Ampere
Tegangan Keluaran	Min 11 Volt

CELL DAYA

Jenis	Sel kering
Tegangan Keluaran	Maks 14 Volt
Arus Pemakaian	Min DC 40 AH

KARTU PERDANA

	Kartu GSM, sudah disetting untuk paket data (GPRS) dan SMS
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BOX PANEL

	Bahan Anti Karat, Dimensi (60 x 50 x 20) cm, Outdoor
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EXTERNAL ANTENA

	Yagi GSM external, 800-960 MHZ (setara)
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