

D-LOG 21X

D-LOG D-LOG21X series datalogger is ideal for remote monitoring of solar power Plant and weather station system. Weather Sensors can directly be connected to its analog input.



- ✓ A Microcontroller Based datalogger
- ✓ GSM/GBRS Based Monitoring
- ✓ Analog Inputs for weather sensor
- ✓ Modbus RTU Support
- ✓ SD card data storage
- ✓ Remote configuration

Application:

- ✓ Rooftop/ Ground mounted Solar power plant for remote monitoring and third-party data sharing
- ✓ Weather Sensor measurement, datalogging and remote monitoring of weather station

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Technical Specification

Power Supply		Connectivity	
Voltage	12-24VDC	Antenna Gain	0-4 Dbi
Power Consumption	2W	Data Transfer Rate	GPRS- UPL/DL: 85.6 kbps
Max. Allowed Voltage	30VDC		
Analog Inputs		Configuration	
No of Channels	4	Configuration Type	Remote Configuration From cloud server
Measurement Range	0-5V, 4-20mA	Maximum Device Support	8 Modbus RTU Device
ADC Resolution	10 Bits		
Sampling Rate	100 KSPS	Data Storage	
		Storage Type	Micro SD Card
		Storage Capacity	16 GB
Digital Inputs		Physical	
No of Channels	4	Encloser Type	MS Powder Coated
Signal Voltage	LOW:0, HIGH:5V	Dimension	124x172mm
Protection	TVS Diode	Mounting	Wall mount
Micro Controller Unit		Weight	0.5kg
Controller	8-Bit AVR Series	Protection	IP51/ IP65(Optional)
RAM	16kB	Environmental	
Communication		Operating Temperature	0°C to 85°C
RS485		Storage Temperature	0°C to 90°C
No of Port	1	Humidity	20 to 95 % RH non-condensing
Protocol	Modbus RTU Master/ Sunspec Master	Protection	
Baud rate	9600, 19200, 115200	I/O Protection	ESD Protection on all Pins >4KV
Connector	Screw Terminal, 3.5mm pitch	Power Supply	Transient Voltage Suppression with 400W peak pulse power capability
Wire Size	28-16AWG 1.5mm2	Certification	
Connectivity		CE Compliance	
Connectivity Type	GSM/GPRS Based		
SIM Module	2G		
Frequency Band	Quad-band 850/900/1800/1900MHz		
SIM Card	Micro SIM		
Antenna Type	SMA Antenna, 3m Wire		