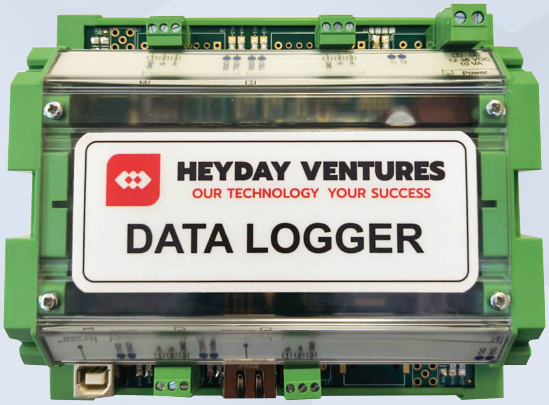
HEYDAY VENTURES
OUR TECHNOLOGY. YOUR SUCCESS

HEYSENSE

DATA LOGGER

MODEL NO: HS-DL



PV DATALOGGER

Highly versatile controller that integrates multiple communication protocols, supports a wide range of inputs/outputs, and provides real-time data logging capabilities

ADVANTAGES:-

- Protection Shield Included
- High Accuracy
- Fast & Simple to Install
- HEYSENSE Remote Setup Service

OVERVIEW

Datalogger is a compact, industrial-grade data acquisition and control device designed for smart monitoring applications in energy systems, weather stations, and industrial automation. Equipped with versatile communication options—including global 4G, Ethernet, RS232/RS485, and M-Bus—it enables seamless integration with SCADA and IOT platforms. With support for protocols like Modbus RTU/TCP, MQTT, and FTP, and equipped with multiple analog /digital IOs, the HeySense HS-DL Datalogger ensures reliable real-time data logging, remote control, and cloud connectivity. Its rugged DIN-rail mountable design, onboard microSD storage, and remote firmware update capabilities make it ideal for both remote and harsh environments.

BENEFITS AND FEATURES

- Real-time clock with NTP synchronization
- Supports Modbus RTU, Modbus TCP/IP, MQTT, M-Bus & FTP
- 8GB microSD card for local data storage
- 6 analog inputs (Current/Voltage/PT100/PT1000)
- Remote firmware upgrade
- Secure FTP (CSV export)
- DIN rail mountable, compact & rugged build

TECHNICAL DESCRIPTION

General

- Power supply: 9 – 36VDC
- Overvoltage protection: >1000V (max. 5 sec)
- Consumption: <10 VA

Processing and Storage

- CPU: Cortex M4
- Flash memory: 8MB (up to 5 years storage)
- External storage: 8GB microSD card

Write to us for more information: **sales@heydayventures.co.in**

Communication Interfaces

- 4xRS485: Up to 1.2 km, speed up to 57600 bps
- 1xUSB: Type B, version 2.0
- 1xEthernet: RJ45, 10/100 Mbps, range up to 100m
- 1xGlobal 4G Communication: GSM (850/900/1800/1900 MHz), WCDMA (B1/B2/B4/B5/B6/B8/B19), LTE-FDD and LTE-TDD supported bands (Optional - Not included by default))

Inputs/Outputs (Optional As required can be added on board- Maximum as listed below)

- Digital inputs: 4 sink/contact inputs
- Relay outputs: 2 relay outputs (NO/NC, 230V AC, 3A)
- Analog inputs: Current: 0/4-20mA (error 0.15%), Voltage: 0-10V (error 0.15%), Temperature: PT100 or PT1000 sensors
- Analog outputs: 2 voltage outputs (0-10V, load up to 5mA)

Supported Protocols

- Modbus RTU, Modbus TCP/IP, M-Bus, MQTT, FTP (server/client)

Working Conditions

- Operating temperature: -25°C to +70°C
- Storage temperature: -40°C to +70°C
- Humidity range: 5% to 95% (non-condensing)

Regulatory approvals

EN 55022:2010
EN 55024:2010
EN 61000-4-2:2009
EN 61000-4-3:2006
EN 61000-4-4:2004
EN 61000-4-6:2009
EN 60950-1:2006
EN 61000-4-3:2006/A2:2010
EN 61000-4-3:2006/A1:2008
EN 61000-4-4:2004/A1:2010
EN 60950-1:2006/A11:2009
CE

Operating Temperature Range	0° to +60°C
Data Logging Rate	20 Hz or more user selectable
Analog Channels	≥ 16 channels ,single-ended or differential
Voltage Excitation Terminals	4 or more
Communications Ports	Ethernet, USB/micro USB , RS-232/ RS-422/RS-485
Digital I/O	At least 8 terminals configurable for digital input and output
ADC	24-bit resolution
Power	Ethernet, PPP,IPv4, IPv6, UDP, TCP, DNS, DHCP, HTTP(S), SFTP, FTP(S), SMTP/TLS
Internet Protocols	DC powered
Communications Protocols	SDI-12, Modbus, TCP, DNP3, UDP, SPI
Data Storage	16 GB or more
Certification	NABL certification and CE compliance

Email: sales@heydayventures.co.in
Website: www.heyday-ventures.com
Phone: +91 11 6926 1931
Works: Heyday Ventures Part B, Back Side, ground floor, plot no-4, KH-132, Neb Sarai, New Delhi - 110068, India