YDOC DATA LOGGER

Environmental Telemetry

pacific data systems Australia

Technical Solutions made Simple

SUITABLE APPLICATIONS

Weather, water quality (salinity, turbidity, pH, dissolved oxygen, oxygen reduction potential), water levels, flow, water meters, other metering, soil, GPS, telematics, radio nodes, gas, cold chain, indoor environmental monitoring, BMS and much more.

Emissions Measurement ✦ Drug + Alcohol ✦ Environmental Monitoring ✦ Post Harvest Technology

PACIFIC DATA SYSTEMS AUSTRALIA

27 High Tech Court, Eight Mile Plains, QLD, 4113 +617 3361 2000 sales@pacdatasys.com.au www.pacdatasys.com.au

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Introducing an ultra-customisable, powerful and cost-effective solution for environmental data recording and transmitting with remote access.

The YDOC is a remote telemetry unit (RTU) that can be used to solve a dynamic range of environmental monitoring challenges from simple to complex and lends itself to an extensive range of bespoke applications.

PDSA offers customers endless customisable solutions to this original modern device and are proudly the exclusive East Coast channel distributor for the YDOC.

This compact device comprises a built-in 4G LTE Cat-M1 modem, internal sensors and 8GB micro SD card. The YDOC is highly functional and can communicate through multiple communication protocols and schedules.

The YDOC can easily send your data by email, or transmit to our web portal www.satvue.com.au or to a third party platform or system.

The YDOC data logger's ultra-low power consumption and versatile power provisioned models (Battery only, integrated solar and battery, external solar and battery, DC external power input) allow the device to be tailored to all applications.

KEY BENEFITS

- Industry approved, reputable & local support
- Rugged IP68 Enclosure (130x120x75)
- Lightweight, easy installation
- Multiple inputs allow more sensors & devices to be monitored
- Simple, highly intuitive menu user interface
- Satellite option
- Customisable power configurations (long life battery, solar options)
- USB, Bluetooth and over the air connectivity
- Alarm condition outputs and separate alarm logging schedules

FLEXIBLE POWER OPTIONS

YDOC - PV (IP67)

YDOC - TFT (IP65)

- 1-3 D Cell Lithium 3.6V Cells OR 1-4 LiFePO4 3.2V cells
- Optional DC power input, optional rechargeable 3x AA NiMH batteries or on-board solar regulator for SLA battery charging
- 3x NiMH AA or 1x LiFePO4 batteries

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OPTIONAL ADD-ONS

- Pole mounting bracket
- Add-on boards available to expand RTD, serial & analog inputs
- Weatherproof 2.0M Night Vis. Camera
- Iridium & SWARM Satellite Modem Options
- GPS Receiver, including speed & distance calculations
- Int. Barometric Pressure Sensor
- Integrated GSM antenna, external GSM antenna optional

HOW IT WORKS

The data logger can acquire physical signals by 2 current loop inputs, 2 voltage inputs, 1 potentiometer input and 3 digital inputs. Additional or specialised inputs can also be added as required. The data logger is provided with one serial port to capture measurements from ASCII, MODBUS, NMEA or SDI-12 compatible sensors. External sensors are powered by the data logger itself, preventing power consumption while the data logger is asleep.

Up to 8 mathematical channels are available to calculate meaningful engineering values derived from sensor input values. Supports up to 8 aggregation channels.

CUSTOMISABLE SOLUTIONS

Aside from supplying YDOC devices and accessories, we also offer system integration and custom system solutions. With the YDOC at the heart of the system, we offer our customers endless customisable options specific to their needs.

We can provide tailored advice and designs for systems, incorporate appropriate sensors and components with the YDOC, and deliver suitable hardware solutions to deliver data. Our expertise in power and data management allows us to design fit for purpose systems the user can have confidence in using and understanding their system to support their data collection.

WEB PORTAL HOSTING

Connect, monitor, adjust and log information via our web portal. Visit and log into our demo account to see how it works here (Select 'eye' icon next to the weather station when logged in.)

- Customer code: PDS001
- Username: pdsdemo
- Password: pdsdemo1

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