

# **Auro Electronics (India) Pvt. Ltd.**



**Committed to serve your data logging needs!**

# Company Overview

- We understand the need of data management.
- We have assisted, our valued customers with original and innovative data logging solutions including weather-monitoring systems for over more than a decade now.
- To cater to your varied and growing data logging needs better, we have now expanded our services in providing data logging solutions.

# Company Overview

- Auro is focused on five (5) primary product groups. They include:
- **Weather & Environmental Monitoring**
- **Water Management Applications**
- **Nutrient Management Tools**
- **Integrated Pest Management (IPM) Tools**
- **Soil Moisture & Quality Measurement**

We represent:

- [Spectrum Technologies](#) Inc., USA
- [ACR Systems](#), Canada
- [Comet System](#)
- [Delphin Technology](#)
- [Lascar Electronics](#)
- [NexSens Technology, Inc.](#)

# Mission



To be the marketing leader in data logging and environmental monitoring solutions – tools that help achieve efficient, accountable, and sustainable use of energy and natural resources.

# Core Markets



**Field Research** – What changes are occurring in the environment?



**Water Management** – What is the impact of development on our water resources?



**Energy Management** – How is my building performing?

# Field Research Applications

- Agricultural research
- Ecology studies
- Meteorological studies
- Site evaluation
- Climate change
- Micro-climate monitoring
- Irrigation management
- Greenhouse management
- Entomology



# Water Management Applications

- Hydrology
- Storm water impact
- Ground water remediation
- Wetlands restoration
- Environmental impact
- Habitat protection
- Ocean ecology





## **Watchdog Weather Stations**

### **Watchdog Dataloggers**

<http://www.specmeters.com/about.html>

## **ACR Systems:**

ACR Systems is your ultimate source for [proven data logging solutions](#).

ACR Systems manufactures a line of world class data loggers that measure and record temperature, relative humidity, electric current, pressure, process signals, pulse frequency, power quality and more.

**What gets measured, gets managed.**

[www.acrsystems.com](http://www.acrsystems.com)

## **COMET System:**

COMET System s.r.o. company is in the business of developing and manufacturing humidity and temperature transmitters and portable thermo-hygro-barometers.

### **Basic features of the online monitoring system:**

Measurement of temperature, humidity, pressure, binary inputs

Monitoring of RS485 or Ethernet transmitters

Data logging of measured values, visualization

Information on alarms by SMS, e-mails

Viewing of data from the database

www access

<http://www.cometsystem.cz/english/comet-profile.htm>

## **Delphin Technology AG, Germany**

Delphin Technology AG is involved in the development, production and marketing of innovative, high quality hardware and software for industrial measurement and testing technology.

Areas of application include data acquisition and analysis, quality assurance, test stand automation, vibration measurement, remote monitoring and mobile measurement data acquisition as well as laboratory data acquisition and automation.

Delphin products are being used across many different industries. Our customer base includes companies involved in process engineering, mechanical engineering, the chemical and pharmaceutical industries and power engineering.

[www.delphin.com](http://www.delphin.com)

## Lascar Electronics, England:

Lascar Electronics is a leading provider of [digital panel instruments](#), [data loggers](#) and [custom design & manufacturing solutions](#). Lascar's EasyLog data loggers are the world's first direct USB data loggers, providing a cost effective, easy-to-use method of recording temperature, humidity, voltage, 4-20mA and carbon monoxide. Our extensive range of panel instruments and voltmeters provide display solutions for a wide range of applications within the instrumentation and sensors industries.

<http://lascarelectronics.com/data-logger/index.php>

## **NexSens Technology, Inc. USA:**

NexSens software and real-time data logging systems are designed to simplify the setup and operation of environmental monitoring networks. NexSens products automate much of the tedious programming, data collection, and manual data processing common with other systems.

NexSens WQSensors are the latest in smart sensor technology with direct computer interface. A six foot sensor cable with integral USB connector offers a hassle-free connection to Windows-based PCs and mobile devices. The WQSensor is powered from the USB port, and data is displayed in real-time directly on the computer screen. When connected, the sensors unique ID is automatically recognized, and the most recent calibration, factory calibration, and probe status are displayed. These quality sensors, bundled with a versatile PC or Mobile software package, ensure affordable data with minimal effort.

Visit online: [www.NexSens.com](http://www.NexSens.com)

# Measurements

## Environmental

Temperature  
Relative humidity  
CO2  
Air velocity  
VOCs

## Energy/Power

kW, kWh, W, Wh,  
A, Ah, VA, V  
PF, VAR, VARh,  
AC/DC current & voltage  
Differential pressure  
Gauge pressure

## Time-of-Use

Light On/Off  
Motor On/Off  
State changes

## Water/Moisture

Water temperature  
Water level  
Conductivity  
Water flow  
Soil Moisture  
Leaf Wetness

## Weather

Temp/RH  
PAR  
Light intensity  
Rainfall  
Wind speed & direction  
Solar radiation

## Other

4-20mA signals  
Pulse signals  
0-10V signals

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Thank You