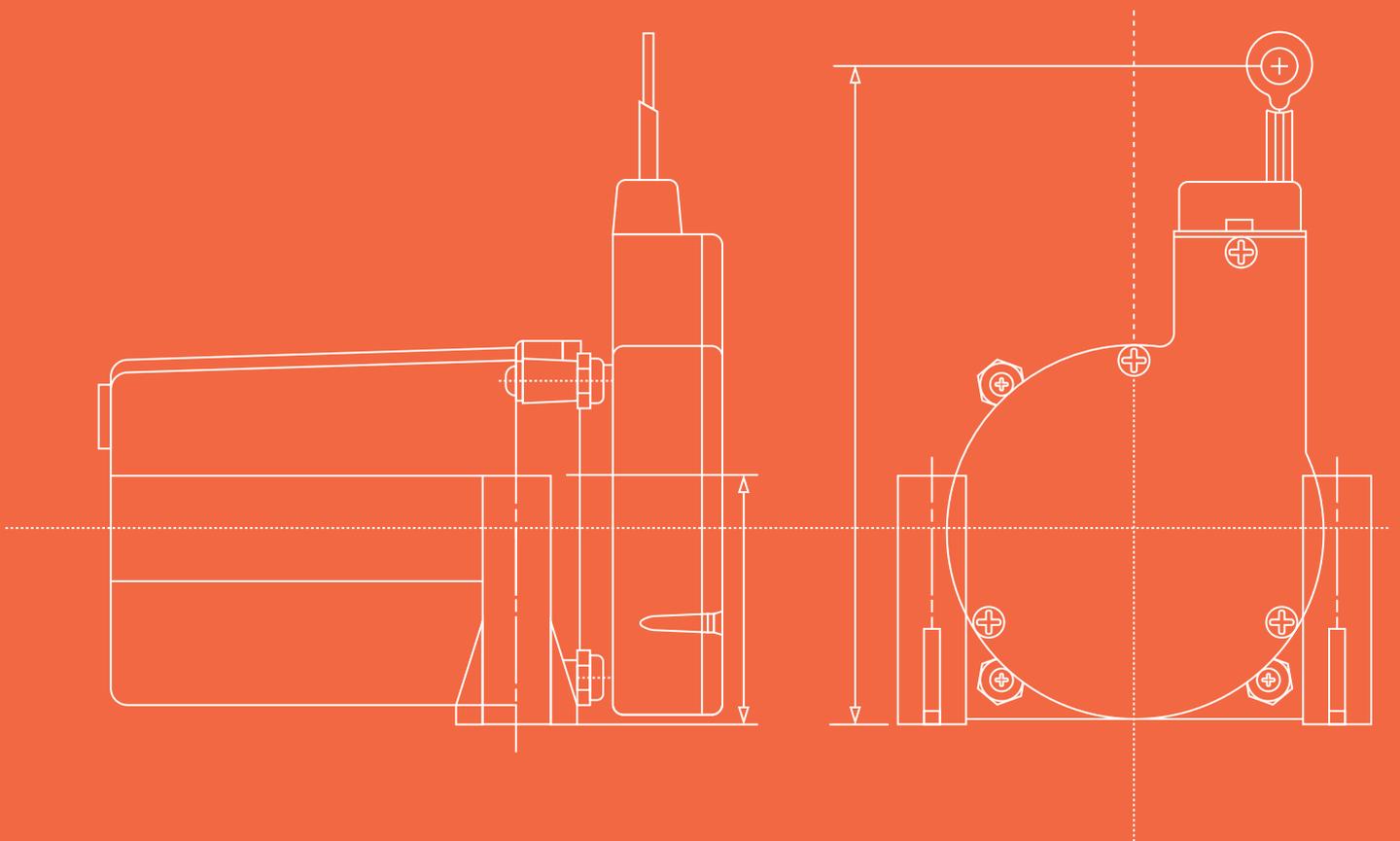


# SENSE & MEASUREMENT



# LOCAL STOCK & SUPPORT

---

**ADM HAS ESTABLISHED A SOLID REPUTATION IN AUSTRALIA OVER THE PAST 35 YEARS AS A TRUSTED PROVIDER OF HIGHLY ACCURATE RADIATION DETECTION EQUIPMENT AND OTHER TEST AND MEASUREMENT INSTRUMENTS. OUR PRODUCTS ARE KNOWN FOR THEIR DEPENDABILITY, PRECISION, AND AFFORDABILITY.**

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ADM's primary objective is always customer service. This means prioritising meeting the needs and expectations of our customers above all else. To achieve this objective, ADM works closely with our suppliers for over three decades. Carrying stock locally, providing application-specific advice, and offering complete solutions are all part of our service offering. ADM holds stock locally, so that the item you want is readily available when you need it. This allows for quicker delivery times and the ability to respond to your needs more rapidly. Providing application-specific advice means that ADM offers expertise and guidance tailored to your specific needs and applications. This ensures that you receive the best advice possible and can make informed decisions.

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# ABOUT US



Glenn Bates,  
Founder and Managing Director

## WHAT DO WE DO

We provide comprehensive support to customers across Australia, offering a range of products including industrial power supplies, LED drivers, position sensors, pressure sensors, load cells, and encoders. Our customers span various industries, including industrial automation, medical and pharmaceutical, food and beverage, research and design, higher education, as well as lighting specialists and original equipment manufacturers.

ADM is more than just a product supplier. We offer a wide range of services, delivered by ADM's highly dedicated and professional technical team.

But it doesn't stop at stocking and supplying products. We offer a wide range of services Australia wide, delivered by ADM's highly dedicated and professional technical team.

We understand that it matters that you can quickly get a product to your door and that you need to also get that product to your door at a fair and reasonable price. We understand that technical support matters, which is why we keep our technical team up to date with the latest product information. We understand that you want to partner with a supplier that is focused on what matters to you.

## WHO WE ARE

ADM Systems Pty Ltd is a family run group of businesses, first established by our Managing Director, Glenn Bates in 1986.

Since then we have grown to become Australia's largest distributor of MEAN WELL Power Supplies, Eurotherm Process Control and Data Management Solutions, Industrial Transducers and Sensors, PCA Encoders, Industrial Connectors, and Test & Measurement Instrumentation suitable for a wide range of applications.

ADM has a strong commitment to holding stock. This means you know the product is available when you need it. We also offer volume pricing and scheduled ordering to original equipment manufacturers, who need to order in high quantities, as well as convenient online ordering services for small scale enterprises and retail customers. Our technical staff undertake regular factory training and have close working relationships with our leading suppliers, so that they are up to date with the latest technologies available. This ensures you have the best performing position transducers, load cells, led drivers and all other components for your application.

**IF YOU ARE VISITING OUR HEAD OFFICE IN DINGLEY VILLAGE, YOU ARE LIKELY TO RECEIVE A VERY WARM WELCOME FROM OUR COMPANY DOGS.**



# ROTARY ENCODERS

## INCREMENTAL MAGNETIC



- Programmable, with solid or hollow shaft sizes from 6mm up to 150mm volumes.

## OPTICAL THROUGH HOLLOW SHAFT



- High accuracy, easy mounting onto motor shaft or roller.
- Option for IP67 ruggedized.

## ENCODER ACCESSORIES



- Couplings, wheels, mounting brackets, torsion arms, cable & connectors in stock.

## ABSOLUTE ENCODERS

EtherNet/IP™

EtherCAT®

PROFINET®



4-20mA

CANopen®

Modbus

SSI  
SYNCHRONOUS SERIAL INTERFACE

SAE J1939

## HEAVY DUTY ENCODERS



- Extreme heavy duty.
- Stainless steel.
- IP66/IP67.



ENCODERMATCH  
POSITAL

Provide the brand and part number, and we'll match you with an equivalent high quality encoder. With POSITAL's extensive manufacturing capabilities, over a million unique encoder variations are available. POSITAL also produce components for other leading encoder brands.

## EQUIVALENT ENCODERS

- DISTRIBUTORS FOR ONE OF THE LARGEST RANGE MANUFACTURERS.
- LOCAL FACILITY HAS ASSEMBLED & CUSTOMISED ENCODERS SINCE 1968.

# ADM'S ENCODER STORY



**PCA (PLANT CONTROL AUTOMATION) WAS FIRST OPENED FOR BUSINESS AT WHITING STREET, ARTARMON SYDNEY IN 1968, BY ADRIAN SMITH. MR SMITH PREVIOUSLY HAD A NUMBER OF YEARS' EXPERIENCE IN THE INDUSTRIAL ELECTRICAL ENGINEERING FIELD. HE BELIEVED THAT A LARGE PROPORTION OF INDUSTRIAL BREAKDOWN TIME COULD BE AVOIDED WITH THE IMPLEMENTATION OF THE THEN, VERY NEW SOLID-STATE ELECTRONIC TECHNOLOGY.**

Project implementation commenced with the automation of packaging lines for the new Australian Paper Mills Packaging Equipment Division.

Previously packaging lines consisted of a number of simple mechanical aids and a lot of manual handling. At this time Philips had developed Norbit Logic, a new range of transistorised electronic logic elements specifically aimed at the rugged industrial market. With these early devices, a complete range of industrial sequencing cards was developed to provide a common element for a wide variety of industrial machinery.

As the electronics advanced, the control

modules were redesigned to incorporate HTL then C-Moss logic and early gate arrays.

But then came Texas Instruments with the 5TI early PLCs.

It became clear that the development of the microprocessor would eliminate the need for the discrete logic engineering approach. So, PCA moved towards a greater concentration on the input devices.

From the outset Mr Smith had realised that no matter how reliable the control system, the overall performance of the equipment was largely determined by the input sensors.

As a result, PCA developed a heavy-duty photoelectric head for use on their materials handling equipment and also pioneered the use of proximity switches to replace all the mechanical limit switches on machinery.

As the proliferation of electronic components grew, Mr Smith saw that rotary shaft encoders would gain much wider application and would complement PCA's existing range of input transducers. In 1981 PCA commenced assembly in Australia of a number of the Hohner encoders.

Since that time PCA made thousands of incremental encoders for Australian machinery. The first PCA encoders were used in the Hunter Valley coal fields. Today the PCA heavy-duty stainless-steel series are operating in mines and ship loaders all over the country.

To many of Australia's factories, PCA encoders were their first introduction to the industrial electronic revolution. They can be found throughout the beverage, food processing, mining, metal forming, metal fabricating, and numerous other industries.

With the ever-increasing sophistication of process control, PCA commenced an association with POSITAL, the encoder division

of the German Fraba company. POSITAL is a world leader of absolute encoders with models to cover the full range of industrial bus systems, CAN bus, Profibus, Devicenet and Ethernet to list a few.

As from 1st April 2019, Plant Control and Automation (PCA) was integrated into the ADM Systems group of companies.

Today PCA is the exclusive distributor for three rotary encoder manufacturers, each specialising in different sectors of the market. This includes a range of linear magnetic encoders and a full range of installation accessories and motion control instruments from Motrona of Germany.

PCA Encoders has the unique ability to identify and replace most of the other encoder manufacturers' products.

Therefore, using PCA encoders in your factory will ensure the minimum of future lost production whilst waiting for replacement parts.

PCA has developed two products for encoder users. One that simplifies configuring control instruments that use encoder input signals, and an incremental encoder tester, which provides the user with the controls to fully test all parameters of incremental encoders.

These specialised products are currently distributed overseas by PCA's European partners. In fact, the encoder testing instrument is used in Europe and North America by several large end users and encoder manufacturers.

Whilst the design of control hardware has made dramatic changes since 1968, the effectiveness of the control equipment is still ultimately determined by the quality of the input signals it receives.

Today PCA offers a wide range of quality encoders from stock for those emergencies that may arise.

## EUROTHERM THYRISTORS: REDUCING ENERGY COSTS IN INDUSTRY

**One of the most significant costs for Australian industry is energy, and many large power users are seeking ways to decrease energy usage in manufacturing processes.**

Managing harmonics and the power factor within a manufacturing plant's power system enhances its efficiency and achieves significant energy savings.

Eurotherm thyristors, or silicon-controlled rectifiers (SCRs) are specifically designed to manage a system's power to maximize energy efficiency and the productivity of the process.

Eurotherm thyristors allow careful control heating processes, maximising energy savings.

**Contact ADM to learn more.**



Authorized  
Solutions Provider

Eurotherm.



## ENCODER ACCESSORIES

### ENCODER WHEELS



- Knurled Aluminium
- Textured Plastic
- Flat Plastic

### MOUNTING BRACKETS & ACCESSORIES



- Mounting Brackets
- Pivot Arms
- Flange Adaptors
- Torsion Arms
- Stator Couplings

### ENCODER COUPLERS



- Standard Type
- Oldham Type
- Bellows Type
- Jaw Type
- Double Loop Type

## ENCODER CABLES AND CONNECTORS

### ENCODER CABLES



- 5 core shielded
- 8 core shielded
- Polypropylene jacket
- Conforms to AS1574

### CIRCULAR CONNECTORS



- M12 and M23
- A coded and D coded
- Male and Female

### CORDSETS



- Converter cables
- Extension cables
- M12 to bare wires
- M12 to RJ45

## FEATURED PRODUCT ENCODERLAB

The EncoderLAB is both an incremental encoder tester and simulator combined into the one housing.

Many encoder manufacturers around the world use PCA's EncoderLab rotary encoder tester and simulator as part of their encoder product assembly and testing process.

EncoderLab is Australian designed and manufactured.

EncoderLab serves engineering companies who

need to confirm if an encoder is functioning correctly. EncoderLab also allows engineers to simulate an encoder to test their PLC or motion control logic on the workbench before they go to site.

The EncoderLab was developed by PCA and remains a very usable tool.

We currently have EncoderLab systems in stock, ready for immediate dispatch.



# POSITION & DISPLACEMENT SENSORS

## DRAW WIRE TRANSDUCERS



- UniMeasure JX Series transducers.
- Linear position sensors.
- Draw wire transducer (string pot).
- 50 - 2000mm measurement.
- Voltage & current outputs.
- Low-cost for use in light to moderate duty applications in wet or dry environments.

## DRAW WIRE TRANSDUCERS WITH INDUSTRIAL COMMS



- Measuring range from 1m to 15m.
- Fieldbus comms such as CANopen, EthernetIP, ProfiNet, etc.
- 4-20mA, incremental, etc.
- Rugged enclosures: Aluminium, steel, plastic.
- Option: Draw wire mechanism only.

## LVDT TRANSDUCERS & POTENTIOMETERS



- LVDTs offer high accuracy and life cycle.
- LVDTs offer infinite resolution.
- Linear potentiometers lower life cycles but cost effective.

## INCLINOMETERS



- Single or two axis tilt sensors.
- $\pm 5$ , 10, 20, 30, 45, 80, & 360° sensing.
- Hall effect, 4-20mA, DCV, or RS232 outputs.
- Industrial communications protocols.

## CONTACTLESS ROTATION SENSORS



- ¼ rotation to 200 rotations sensing.
- IP ratings available up to IP69K.
- Infinite resolution with  $\pm 0.02\%$  full scale linearity.

## TORQUE TRANSDUCERS



- Measures RPM & torque of continuous rotating objects.
- 1 - 1000 kg m.
- Output: 1.5 mV/V.

## FEATURED PRODUCT

### DYNAMIC RUGGED INCLINOMETERS

- Well protected up to IP69K.
- Rugged & compact design.
- Measurement range  $\pm 80^\circ$  (Dual Axis) or  $360^\circ$  (Single Axis).
- Compensation of external accelerations.
- Accurate measurement during dynamic movements.
- Interfaces: CANopen, Analog Current, Analog Voltage, RS232, SSI, J1939, DeviceNet.



**POSITAL**  
FRABA

# INDUSTRIAL MEASUREMENTS

# VAISALA

## VAISALA PROCESS REFRACTOMETERS



- Liquid concentration and BRIX measurements.
- Increase production yield.
- Improve product quality.

## VAISALA TEMPERATURE & HUMIDITY



- Barometric pressure, humidity, and temperature measurements.
- RS-232C serial interface with NMEA protocol for GPS use.
- Analogue outputs, RS-232/485.
- Modbus RTU protocol support.
- Traceable to international standards.

## VAISALA DEW POINT



- Industrial transmitters.
- Handheld meters.
- Wide temperature measurement.
- Analogue and serial outputs.

## FEATURED PRODUCT

### VAISALA INGIGO 520

INDUSTRIAL-GRADE, ROBUST TRANSMITTER FOR LIQUID CONCENTRATION HUMIDITY, TEMPERATURE, DEW POINT, CARBON DIOXIDE, HYDROGEN PEROXIDE, AND MOISTURE IN OIL MEASUREMENTS.

- Supports 2 detachable measurement devices simultaneously.
- Data logging of all measurement parameters.
- IP66 and NEMA 4 rated metal enclosure.
- 4 configurable galvanically isolated analogue outputs.
- 2-wire current loop analogue input.
- 2 relays.
- Ethernet connection with web interface for remote access.
- Displays measurements on the spot and transmits them to automation systems through analogue signals, relays, or Modbus TCP/IP protocol.



# VAISALA

AUTHORIZED PARTNER

# MEASURING LIQUID CONCENTRATION IN FOOD AND BEVERAGE PRODUCTION



Measuring liquid concentration within your food or beverage process is an integral factor in ensuring a high-quality product, maintaining your system efficiency and the sustainability of raw products for processing. This could be as simple as measuring sugar brix within your juice production, or perhaps alcohol within the various points of the distillery process of your whiskey, liquid concentration measurements play a very important role.

## CHALLENGES OF MEASURING LIQUID CONCENTRATION

The challenge of measuring liquid concentration is that measurements are typically taken through manual sampling, which in turn, upsets the production process and opens the door for bacteria to your production line.

However, Vaisala's K-Patents and Polaris in-line process refractometers address these issues.

The K-Patents and Polaris In-line Process Refractometers are comprised of three modules, a light source, a prism, and an image processor, all encased within a small stainless-steel body that sits within the in-line of your production.

To produce a measurement, light is shone through the prism, which depending on the concentration of liquid, will either be absorbed into the liquid or reflected into the image processor. This principle of measurement is called the critical angle of measurement.

## CAN BUBBLES OR MEDIA EFFECT THE LIQUID CONCENTRATION MEASUREMENT?

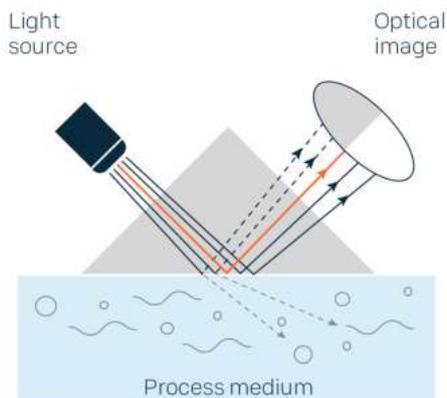
This method is not affected by particulates, media, or bubbles in the liquid, as the bending angle of light remains the same. However, the only influencing factor is the density of the liquid, thus leading to a true and accurate liquid concentration measurement.

## SANITARY IN-LINE PROCESS REFRACTOMETERS

The Vaisala K-Patents and Polaris A-Series Process Refractometers remain one of the world's leading methods of liquid concentration measurements. Designed for an inline process, the stainless-steel body and self-cleaning prism, certified by both 3A and EHEDG bodies, the A-series products ensure that your production line remains sanitary while it's maintaining constant measurements.

## WOULD YOU LIKE TO KNOW MORE ABOUT LIQUID CONCENTRATION MEASUREMENTS?

If you would like to learn more about how the Vaisala K-PATENTS & Polaris range can be used within your food and beverage product line, contact the ADM team today.



## YOUR MEAN WELL POWER PARTNER



ADM is a leading provider of power solutions in Australia. Established in 1986, we have grown to become the country's largest distributor of MEAN WELL Power Supplies.

We carry a wide range of DIN rail power supplies, DC to DC converters, LED drivers, enclosed power supplies, power adapters and more.

Our expert team is on hand to help you select the best power supply for your application.





# MEAN WELL VARIABLE FREQUENCY DRIVES

Global efforts to combat climate change have made net-zero emissions and energy-saving indicators critical for electricity usage. Motor-related equipment accounts for 46% of global electricity and energy usage, surpassing lighting at 19%. Brushless DC Motors (BLDC) offer advantages like high efficiency, small size, and quiet operation. MEAN WELL's new VFD series, designed after extensive research, includes eight models with built-in power factor correction, covering both DC and AC input voltages. These fanless units achieve up to 93% efficiency and comply with safety standards.



These controllers are suitable for use in applications such as smoke extraction equipment and water pumps.



Speak with the ADM Team Today  
to learn more about Variable Frequency Drives!

1300 236 467 / [sales@admtech.com.au](mailto:sales@admtech.com.au)  
[www.admtech.com.au](http://www.admtech.com.au)



Complies with IEC  
60529  
IP66



**ORDER NOW AT ADM**



# ADM AUSTRALIA'S NO.1 DISTRIBUTOR FOR HARTING INDUSTRIAL PRODUCTS



## INDUSTRIAL CONNECTORS HAN

- High Current Connectors
- Modular Connectors
- Fibre Optic Solutions
- Hazardous Solutions
- Eco Housing

## HAR-PORT SERVICE INTERFACE

- Ethernet
- USB

## INTERFACE CONNECTORS

- Single Pair Ethernet
- Ethernet Interface
- Ethernet Cabling Systems

## CIRCULAR CONNECTORS

## D-SUB CONNECTORS

Contact ADM if there are any HARTING items you buy on a regular basis that you would like stocked locally. ADM is an authorised HARTING distributor, supporting the entire HARTING range.



# PRESSURE TRANSDUCERS

## GENERAL PURPOSE PRESSURE TRANSDUCER



- Wetted parts: all titanium.
- Silicon-on-Sapphire technology.
- Accuracy:  $\leq \pm 0.25\%$  of span BSFL.
- Output: mV/V or 4-20mA.
- IECEx option available.

## USB COMMUNICATION



- Pressure ranges: -1-2.5 bar to 0-5000 bar.
- Silicon-on-Sapphire technology.
- Accuracy:  $\leq \pm 0.15\%$  of span BSFL.
- Output of signal: USB-interface power supply & data transfer via USB.
- Wetted parts: all titanium.
- Free software.

## DIFFERENTIAL PRESSURE



- Pressure ranges: 0 - 5 mbar up to 0 - 200 bar.
- Accuracy:  $< \pm 0.3\%$  of span BSFL.
- Output signal: 4-20 mA (other options on request).
- Wetted parts: suitable for liquids or gases.

## FLUSH DIAPHRAGM PRESSURE TRANSDUCERS



- Easy clean flush membrane to prevent clogging.
- Thick film sensor technology for long service life.
- Pressure ranges to 400 bar.
- Integral O-ring seal to ensure flush pressure seal.
- IECEx option available (includes M1 for mining applications).

## SPECIALISED PRESSURE SENSORS



- Hydrogen compatible.
- Hygienic designs.
- EX hazardous area suitable.
- Marine compliant.
- Serial communication.

## PRESSURE SWITCHES



- Adjustable or factory set pressure switches.
- IP65/IP67 rated.
- Overpressure up to 25 bar.
- Stainless steel & alloy tool steel models available.

## FEATURED PRODUCT

AFFORDABLE PRESSURE TRANSDUCERS SUITABLE FOR INDUSTRIAL APPLICATIONS

- Range 1.600 bar.
- 4-20mA, M12 connection.
- Process 1/4" BSP.
- Supports CAN 2.0 protocol.
- Cost effective.
- M12 connection.
- Process fitting 1/4" BSP.



# FLOW & LEVEL

## ULTRASONIC FLOW METERS



- Clamp on simple installation.
- Non-intrusive with no flow obstruction.
- All line sizes.
- Portable options.

## NON-CONTACT LEVEL



- Ultrasonic transmitters.
- Radar transmitters.

## HYDROSTATIC LEVEL SENSORS



- Pressure ranges: 0-1mWG up to 0-500mWG.
- Output signal: 4-20mA or RS485.
- Scaled for water or diesel.
- Options: economy or high spec ranges.

## MAGNETIC INDUCTIVE



- Inline insertion type.
- Stainless-steel body.
- Bluetooth smartphone interface.
- Hot tap.
- Line sizes: 80-1800mm.

## PORTABLE FLOW METERS



- Rugged IP67 housing.
- Powerful signal processing.
- Interchangeable transducers.
- High accuracy.
- Storage for 12.5 million data points.

## WATER VELOCITY METERS



- Contact and non-contact options.
- Half full pipes.
- Open channels.

## FEATURED PRODUCT

**pulsar**  
MEASUREMENT

SENSOR TO CLOUD  
PLATFORM

- **Plug & play, instant connectivity of a sensor to the cloud over cellular networks.**
- **Optimised for battery life using latest cell modem technology LTE CAT M1 / NB-IoT.**
- **Multi input/output to connect to a variety of sensors including analogue, HART, sdi-12, and Modbus.**
- **MQTT & sparkplug-b ready to integrate with hosts other than SignalFire cloud.**



# LOAD CELLS

## SHEAR BEAM



- 150kg to 10 tonnes.
- 2-3 mV/V output.
- Stainless steel or nickel steel.
- Low cost.

## S-TYPE



- 10kg to 5 tonnes.
- Tension & compression.
- 2-3 mV/V output.
- Fully environmentally sealed.

## BENDING BEAM



- 20kg to 500kg.
- Tension & compression.
- Stainless steel.
- High accuracy.

## SHACKLE TYPE



- 5T to 400T.
- 0.1% repeatability.
- Hoisting applications.
- Stainless steel.

## MINIATURE



- 1kg to 2 tonnes.
- Miniature dimensions.
- Tension & compression.
- Perfect for limited space.
- Submersible.

## LOAD CELL TRANSMITTER



- 1, 4, or 8 channels.
- NMI trade approved.
- Outputs: 4-20mA, Modbus, EthernetIP, ProfiNet, CANopen, etc

## FEATURED PRODUCT

NMI TRADE APPROVED WEIGHT INDICATOR DISPLAY.

**LAUMAS**®

- Compact 48x96 design.
- 6-digit LED display.
- Onboard real-time clock and calendar for precise time-stamped data.
- NMI trade approval.
- IP65 front protection.
- Analogue output transmission.
- Option for analogue signal input.
- Optional extra relay outputs.



# VIBRATION - ACCELERATION & VELOCITY SENSORS

## AC OUTPUT SENSORS



- Constant current drive, output in mV/g.
- Use with on-line vibration analysers & hand held data collectors.
- Top or side entry.
- Range of sensitivities.
- Acceleration or velocity.
- IECEX approved.

## DC OUTPUT SENSORS



- 4-20 mA output for connection to PLCs or other monitoring systems.
- Integral cable or electrical connector.
- Range of sensitivities.
- Acceleration or velocity.
- IECEX approved.

## TRI-AXIAL SENSORS



- Triaxial acceleration measurements.
- Sensitivity 10mV/g.
- Frequency response 1 Hz to 10 kHz.

## SUBMERSIBLE SENSORS



- Acceleration and velocity sensors.
- Fully submersible.
- Available with IECEX approvals.
- AC 100 mV/g outputs.
- DC 4-20mA output.
- Wide frequency response.

## MULTI-OUTPUT SENSORS



- Two or more outputs from a single sensor.
- Temperature sensor provides mV/°C signal along with AC or DC output.
- AC output for analysis together with DC output for monitoring and protection.

## HAND HELD VIBRATION METERS



- Single & multi-channel vibration monitors.
- Available with internal removable SD card data logging.
- AC or DC powered.

## FEATURED PRODUCT

### LUTRON VB-8206SD HANDHELD VIBRATION METER

Unsure of what vibration you need to measure?

This cost-effective handheld meter can save time & money. On the spot inspection tool for maintenance engineers. Range 10Hz to 1kHz. Includes probe with magnetic base. Data is captured on SD card for evaluation in a spreadsheet.



# DISPLAYS & TRANSMITTERS

## DISPLAYS / TRANSMITTERS



- Panel mount.
- Simple indication or complex control.
- Tri colour backlit LCD.
- AC or DC powered.

## INTELLIGENT CONTROLLER / CONVERTER SYSTEM



- Din-rail or bulkhead mount.
- PID control or Advanced Alarm/Converter.
- EPC2000 offers Modbus TCP or RTU Communications.
- ProFace Touch Screen supports 64 slave nodes.

## SIGNAL CONVERTERS



- Splitters.
- Converters.
- Extenders.
- Dividers.
- Simulators.
- RS232 & Wi-Fi.

## NANAODAC



- 50MB flash memory for data storage.
- 8Hz sample and recording rate.
- Secure, binary data (UHH) or open (CSV) data files.
- 4 universal input channels (8 optional).
- 30 additional channels for use as mathematical functions, Modbus inputs, totalisers or counters.

## DISPLAY / DATA LOGGERS



- Data logger and display for up to three 4-20mA inputs or three 0-10V inputs.
- Saves the measuring data into a removable SD memory card for later analysis using Excel.
- Displays three parameters on its LCD.

## HARTING ETHERNET SWITCHES



- Unmanaged.
- 5 port or 8 port.
- DIN rail mount.

## FEATURED PRODUCT

### WAVEMON RF-60-ARPANSA PERSONAL EMF MONITOR

The WaveMon RF60-ARPANSA is a critical tool for anyone needing to monitor RF exposure, ensuring compliance with Australian and international standards. Its advanced features provide peace of mind in our increasingly wireless world.

- Extensive Frequency Coverage: Monitors a broad range from 100 kHz to 60 GHz, ensuring complete electric and magnetic field monitoring.
- Global Standard Compliance: Meets international safety standards, including ICNIRP, FCC, EU Directive 2013/35/EU, SC6 (Canada), and NATO, and is specifically tailored to comply with Australia's ARPANSA RPS - S1 standard.
- Precision Measurement: Offers isotropic measurement of RMS with a shaped response for accurate data. Features robust alarm systems and customizable thresholds.
- Advanced Overexposure Alerts: Provides real-time warnings through audible, visual, and vibration alerts when exposure exceeds safe levels.
- Superior Data Logging: Enables detailed tracking and analysis of RF exposure over time for in-depth insights.
- Optional Integrated GPS and Altimeter: Enhances functionality with location-specific data for a better understanding of exposure scenarios.



# POWER PRODUCTS

## INDUSTRIAL POWER & UPS



- DIN rail power supplies.
- DIN rail DC UPS.
- Enclosed power supplies.
- Power outputs ranging from 15 ~ 10000W.
- Single, two & three phase.
- Rack mount.
- Smart control.

## DC TO DC CONVERTERS



- 2:1 or 4:1 input range.
- Adjustable output.
- Up to 4000VAC I/O isolation.
- DIN rail.
- Enclosed.
- Railway approved.

## HARSH ENVIRONMENT



- Vibration resistant.
- Resistant to dust ingress.
- Fanless design.
- High reliability.
- Adjustable output voltage & current.
- Up to 600W.
- 6 years' warranty.

## THYRISTORS



- Single, two, or three phase power control.
- Predictive load management.
- Diagnostic feedback.
- Analogue or Ethernet Control.
- Energy Savings.

## AC TO AC TRANSFORMERS



- DIN rail mount (up to 100 VA).
- 240V and 415V input options.
- 12V ~ 240V output options.
- 20 ~ 800 VA.
- Terminal blocks for easy connection.

## SOLID STATE CONTACTORS & RELAYS



- Relays: 0.1A, 3A, 6A, 12A.
- Contactors: 25A, 30A, 45A, 55A.
- DIN rail mount.
- AC or DC output.
- AC or DC control inputs.
- Contactors available, assembled on heatsink.

## FEATURED PRODUCT

### ADEL SYSTEM ALL IN ONE UPS

Perfect for locations that are difficult to access, & mission critical applications. Adel System's all in one UPS features an integrated battery test & verification function, so that you don't have to send engineers to remote locations just to check up on the health of your batteries.

Support for several different battery chemistries & high surge current capability. 12V, 24V, & 48V output voltages are offered, & high-power models are available. Many models can be networked & offer remote monitoring & control capability.



## GOING THE EXTRA MILE LITERALLY



**ADM RECENTLY ENCOUNTERED A DISTINCTIVE CHALLENGE. OUR CUSTOMER, A PREMIER INDUSTRIAL ALUMINIUM MANUFACTURER BASED IN QUEENSLAND, HAD ORDERED A SET OF UNIQUE AND SENSITIVE MEASUREMENT SCALES CUSTOM-BUILT FROM AN ITALIAN MANUFACTURER. THIS EQUIPMENT NEEDED TO BE TRANSPORTED CAREFULLY OVER A SIGNIFICANT DISTANCE – PRECISELY 2,015 KILOMETERS – TO ENSURE SAFE DELIVERY DIRECT TO THEIR MANUFACTURING FACILITY.**

The scales, which were a substantial investment for the customer were delivered to ADM's primary warehouse at our headquarters in Dingley Village, VIC, directly from the Port of Melbourne.

Our team meticulously managed every aspect of transportation, ensuring careful handling of these bulky and highly sensitive items. Throughout the process, ADM took extraordinary measures to ensure the safe handling of these packages.

The challenge arose when finding an interstate courier to move the packages from Victoria to our customer's production site in Queensland.

After some critical analysis, ADM recognised there were far too many potential issues with

using 3rd party couriers. Various points of interruption, such as sorting hubs and other delivery destinations within the state meant there were too many touch points. Each of these has their own risks of damaging this expensive and sensitive piece of equipment.

Following extensive consideration, ADM concluded that the best strategy for minimising the risk of potential mishandling and damage was to deliver the product from our Victorian warehouse directly to the customer.

ADM hired a medium rigid truck with side access points, and carefully loaded the scales on to the truck and embarked on the 2,015km trip. After two and a half days of driving, an ADM team member arrived at our customer's

doorstep to deliver intact the much-needed scales for the aluminium plant.

After some cups of tea, some laughs, and a pat on the back it was time for the ADM team member to embark on the long drive home.

This incredibly unique instance of ADM staff delivery encompasses ADM's core values of service and leadership, as we wholeheartedly believe this to be what separates us from our competition. We take ownership of our customer service and lead out industry by going the extra mile (or 2,015km).

Thank you for coming on our journey, we look forward to serving you, our customers, again and again.

# ABOUT US

## WHO ARE WE?

ADM Systems Pty Ltd is a family run group of businesses, first established by our Managing Director, Glenn Bates in 1986.

Since then we have grown to become Australia's largest distributor of MEAN WELL Power Supplies, Eurotherm Process Control and Data Management Solutions, Industrial Transducers and Sensors, PCA Encoders, Industrial Connectors, and Test & Measurement Instrumentation suitable for a wide range of applications.

## WHAT DO WE DO?

At ADM we do what we do because we care.

Our team cares about your project and will do all they can to ensure you find the most appropriate solution.

We get that lead times can be a hassle, so we try and carry as much stock as possible to avoid that headache.

Despite that, you rightly expect not to pay too much for this service.

Technical support matters, which is why our technical team keeps up to date with the latest product information.

ADM is a family run business that was established in 1986 by Glenn Bates. From the outset Glenn understood the importance of customer care being at the heart of everything we do. This ethos continues today under the guardianship of our CEO, Kristin Brown, Glenn's daughter.

## OUR SERVICES INCLUDE:

Expertise & consultancy across all of our product range.

Configuration of transducers, sensor & other equipment.

Service and repair down to component level.

Rental/loan of handheld test & measurement equipment.

## HOW WE DO IT.

ADM has a strong commitment to holding stock. This means you know the product is available when you need it.

We also offer volume pricing and scheduled ordering to original equipment manufacturers, who need to order in high quantities, as well as convenient online ordering services for all customers.

Our technical staff undertake regular factory training and have close working relationships with our leading suppliers, so that they are up to date with the latest technologies available. This ensures you have the best performing position transducers, load cells, led drivers and all other components for your application.

## WHY WE DO IT?

**Because it matters to you.**

We understand that it matters that you can quickly get a product to your door and that you need to also get that product to your door at a fair and reasonable price.

We understand that technical support matters, which is why we keep our technical team up to date with the latest product information.

We understand that you want to partner with a supplier that is focused on what matters to you.

# OUR SUPPLIERS



## ADM Product Brochures

### THE BEST PRODUCTS AT YOUR FINGERTIPS

ADM Systems represents leading manufacturers of the finest engineered power supplies, LED drivers, encoders, position transducers, pressure transducers, load cells, and other industrial and process measuring devices in Australia.

We have launched 4 product brochures that detail our expertise in Position Sensing, Load Cells, Test & Measurement Instrumentation, and Process Control, Recording and Automation. To request your own copy please contact our office, or your Technical Sales Representative.



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Contact us for a copy of our other product brochures.