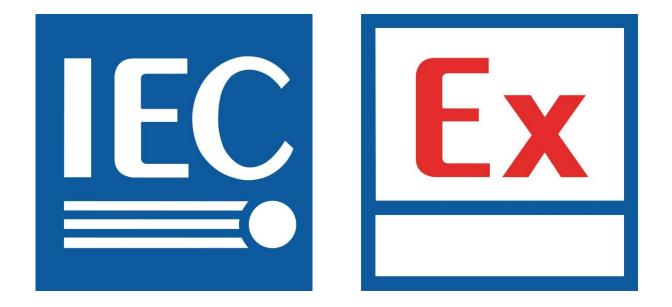
Hazardous Area

IECEx approved Instrumentation, Over Pressure & Asset Monitoring Products Measurement Solutions Australia





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Level Instruments

Universal IV

Drexelbrook RF Admittance Level transmitter

Drexelbrook's Universal IV series of RF Admittance and RF capacitance level transmitters are suitable for liquids, slurries, granular and interface applications. The unique Cote-Shield[™] electronics of the UNI IV enable the instrument to measure and thus ignore coatings that can alter or ruin other technologies. The UNI IV Can handle extreme pressure and temperature and is available with a large variety of wetted parts for corrosive or

Applications

- Liquids
- Slurries
- Granular
- Interface

IECEx Hazardous area approvals

- Intrinsically safe
- Explosion proof

USonic

Drexelbrook Ultrasonic Level transmitter

The USonic series of ultrasonic level transmitters offer high accuracy and long life. The patent SmartGain[™] software automatically maps the internal obstructions to eliminate false echoes and unique pipe software enable measurements through long ferrules to open tanks or pits. Open channel flow is also available as standard.

Applications

- Liquids
- Slurries
- Open channel flow

IECEx Hazardous area approvals

- Intrinsically safe





APR-2000ALW

Differential Pressure Transmitter

Dependable hydrostatic level measurement of liquids and slurries with spans as low as 0.2 mbar! The APR uses a sophisticated and highly stable measurement sensor, galvanically isolated from the process, for the highest accuracy and safety in potentially explosive atmospheres.

IECEx Hazardous area approvals

- Intrinsically safe
- Explosion proof
- Mines approval

PCE-28 / PCE-28.Smart SG

Submersible level transmitter

Simple and economical level measurement of liquids and slurries with the PCE series of submersible level transmitters. Ranges as low as 50 mm of water up to several hundred meters.

Ideal for water, waste water, sewage, ponds, bores or any

- Intrinsically safe
- Mines approval

APC-2000ALW/L

Submersible Level Transmitter with Remote head

Simple and flexible measurement of fluids and slurries. The APC-200ALW/L provides local indication and a keypad for adjustment and viewing.

- Intrinsically safe
- Mines approval







TLS

Drexelbrook Magnetostrictive Level Transmitter

TLS provides level, interface and temperature measurements via one simple to use device. No calibration required, easy installation and accuracy to 0.01%. An ultrareliable design for process and custody transfer applications.

Applications

- Liquids
- Interface

IECEx Hazardous area approvals

- Intrinsically safe
- Explosion proof



Aplisens Hydrostatic Level Transmitter

Rigid insertion length for use in agitated or turbulent process vessels or pits. Ideal Bracket, thread or flange mounted for any ranges between 200 mm and 3000 mm

IECEx Hazardous area approvals

- Intrinsically safe





ThePoint

Drexelbrook RF Admittance Level Switch

ThePoint range of RF Admittance level switches from Drexelbrook provide reliable level detection in just about any application imaginable. Patent Cote-Shield[™] technology is used to ignore coatings and provide a maintenance free level switch for a wide range of application including level, interface, presence/absence flow, blocked chute and water in oil.

Applications

- Liquids & Slurries
- Granular
- Interface
- Blocked chute
- Water in oil

IECEx Hazardous area approvals

- Intrinsically safe
- Explosionproof

Blocked Chute

ThePoint

Drexelbrook RF Admittance Level Switch for Blocked chute applications

Drexelbrook's range of blocked chute switches are designed with a flush mounted sensor and Cote-Shield[™] technology to reliable detect blockages in the presence of build-up. The flush design ensures an unimpeded flow.

Applications

- Granular level
- Blocked chute

- Intrinsically safe
- Explosion proof





Moisture Sensor / Water in oil switch

ThePoint

Drexelbrook RF Admittance switch for reliable detection of moisture ingress

The advanced RF Admittance technology reliable detects the change in dielectric properties when water is introduced into a nonconductive medium. Ideal for leak detection on lubricating systems, gear boxes, storage tanks etc.

Applications

- Pump protection
- Gearbox oil
- Pipeline detection
- Sumps
- Hydraulics
- Lubrication systems

IECEx Hazardous area approvals

- Intrinsically safe
- Explosion proof



Water in Oil

UNI VI CM

Water in Oil analyser. Cut monitor.

The Universal IV CM is a Water Cut Monitor that is built upon 50 years of applications expertise with RF Admittance. The Universal IV CM has a range of 0-50% in light oil and 0-80% in heavy oil. Our probes can handle pressures up to 10 MPa and temperatures up to 232°C.

Applications

- Automatic Well Testing (AWT)
- Lease Automatic Custody Transfer (LACT)
- Basic Sediment and Water (BS & W)
- Separation Vessels
- Pipeline Slug Detection
- Truck Unloading
- Pump Protection
- Dielectric Analysis
- Machinery Lube Oil Monitoring

IECEx Hazardous area approvals

- Intrinsically safe
- Explosion proof





Seperators

Desalter

Interface measurement for electrostatic separators

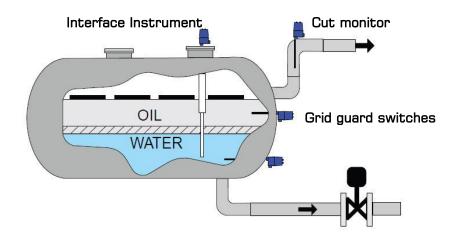
The Desalter Interface Transmitter provides an excellent solution for control of vessels that use electrostatic grids to accelerate separation. The Desalter Interface Transmitter accurately measures the electrical interface of the emulsion during normal and abnormal conditions. This measurement is critical because the separation vessel operates at maximum efficiency when the electrostatic grid is close as possible to the interface.

Applications

- Electrostatic separators
- Coalescers

- Intrinsically safe
- Explosion proof





Dumpstar

Retractable interface level switch for controlling water bottoms

You can depend on Drexelbrook point level controls to help cut costs by increasing your operating efficiency by controlling water dump more precisely. Installation is easy and does not require the vessels to be empty. The electronic unit is integral with a retractable sensing element for simple insertion into existing block valves.

Applications

- Electrostatic separators
- Coalescers
- Storage tanks
- Terminals

IECEx Hazardous area approvals

- Intrinsically safe
- Explosion proof



Water Well Level Monitor

CheckWell[™]

Level measurement of wells and boreholes

The CheckWell[™] Level Monitor, using field-proven RF technology with the convenience of "smart" technology to provides a dependable, low-cost, continuous measurement of level or drawdown in production, monitoring, observation, extraction, and remediation wells.

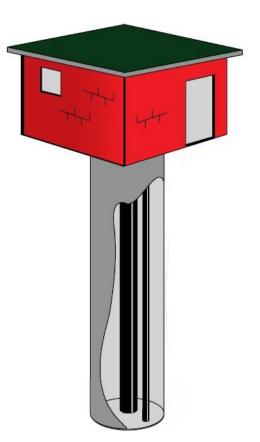
CheckWell[™] is unaffected by changes in salinity, density, oil layer on water and electrical noise.

Applications

- Wells
- Borehole
- Dewatering

IECEx Hazardous area approvals

- Intrinsically safe
- Explosion proof



Vibration Monitoring

ST5484E

Metrix vibration transmitter

Metrix's ST5484E is a premium, true RMS, vibration transmitter. The ST5484E provides high accuracy over a wide frequency range and can be mounted directly on the machine case or bearing housing. Aside from the 4-20 mA output a buffered dynamic data output can be provided for connection to vibration analysers or condition monitoring equipment.

Applications

- Rotating equipment
- Reciprocating compressors
- Bearing monitoring

IECEx Hazardous area approvals

- Intrinsically safe
- Explosion proof

5550

Metrix Vibration Switch

A simple yet highly reliable snap action mechanism is at the heart of the 5550 vibration switch. The proven design offers basic shutdown capability for many base of plant machinery including fans, pumps and blowers. The 5550 Vibration switch is available in IP66 and NEM4 or NEMA 4X housings and can be optioned for IIC environments. Remote reset and start up delays are also options.

Applications

- Rotating equipment
- Reciprocating compressors

- Intrinsically safe
- Explosion proof





SA6200 & SV6300

Metrix Accelerometers and Velocity Sensors

Piezo electric Accelerometers Velocity sensors with a solid-state design having no moving parts to wear out and may be mounted in any axis, unlike many moving-coil devices. It is also less sensitive to the cross-axis vibration that can be especially damaging to moving-coil devices.



IECEx Hazardous area approvals

- Intrinsically safe
- Non-sparking

5484C

Metrix high temp vibration transmitter

The 5485C employs a zero-friction coil suspension for clean, accurate and repeatable vibration measurements over a wide range of amplitude and frequency. They are constructed to operate continuously at elevated temperatures. The 5485C is the common choice for turbine monitoring and other high temperature applications.

Applications

- High temp vibration monitoring
- Turbines

- Intrinsically safe
- Non-sparking



SW6000

Electronic Vibration Switch

This electronic switch is a versatile excessive vibration protection instrument. In its standard configuration, the SW6000 is an economical single set point vibration switch loaded with standard features and packaged in industrial grade housing.

Fully configured, the SW6000 provides for local machine control with optional LCD readout, real time remote operator interface via 4-20 mA and an external BNC (weather-proof only) for easy analyst access to the buffered dynamic vibration signal. Optional hazardous area certifications.



Applications

- Rotating equipment
- Reciprocating compressors

IECEx Hazardous area approvals

- Explosion proof

SETPOINT DPS

Digital Proximity System

The world's first digital proximity probe system. Fully programmable. Fully digital. Fully API 670-compliant. Fully awesome. Now, a single programmable device can be configured to work with nearly any probe/cable/target-material combination, and supports probes from a variety of manufacturers including Metrix and Bently Nevada. Available in both a 4-20mA transmitter version and a 200mV/mil probe driver version.

Applications

- Turbines
- Compressors
- Pumps
- Fans
- Gearbox/motors

IECEx Hazardous area approvals

- Intrinsically safe
- Non-sparking



Pressure Transmitters

APC-2000

Aplisens Pressure Transmitter

SMART pressure transmitter range available with HART or profibus output protocols and an extensive range of options and industry leading long term stability.

Applications

- Oil & gas pipelines
- Oil patch
- Petrochemical plants
- Refineries
- Pulp and paper mills

IECEx Hazardous Area Approvals

- Intrinsically safe
- Explosion proof
- Mines approval

PCE-28 & PCE-28.SMART

Aplisens Pressure Transmitter

An industrial pressure transmitters with a highly modular and flexible range of process and electrical options to suit the majority of industrial applications out there.

The PCE-28 is also available with HART, local indication and in a fully submersible design.

- Intrinsically safe
- Mines approval





APR-2000

Barksdale Intrinsically safe pressure transmitter

SMART pressure transmitter range available with HART or profibus output protocols and an extensive range of options and industry leading long term stability.

Applications

- Oil & gas pipelines
- Oil patch
- Petrochemical plants
- Refineries
- Pulp and paper mills

IECEx Hazardous Area Approvals

- Intrinsically safe
- Explosion proof
- Mines approval

PRE-28 & PRE-28.SMART

Aplisens Pressure Transmitter

A general-purpose differential pressure transmitters with a highly modular and flexible range of process and electrical options to suit the majority of industrial applications out there.

The PRE-28 is also available with HART, local indication and in a continuously submersible design.

- Intrinsically safe
- Mines approval





Pressure Switches

96XX

Barksdale Pressure Switch

Compact and highly flexible switches are IECEx approved Ex'd IIC in your choice of all 316SS, or a more economical aluminium enclosure. Their compact design, broad choice of adjustment ranges and dual seal make them a dependable choice for most hazardous applications.

Also available with NACE and SIL 2.

IECEx Hazardous Area Approvals

- Intrinsically safe
- Explosion proof

Temperature Transmitters

APT-2000ALW

Aplisens Smart Temperature Transmitter

HART Smart temperature transmitter with high accuracy, programable features and a local display. Available with a wide variety of RTDs and Thermocouples

- Explosion proof
- Mines approval

LI-24ALW

Aplisens Smart Temperature Transmitter

HART Smart temperature transmitter for use with integral or remote RTDs and thermocouples.

- Intrinsically safe
- Explosion proof
- Mines approval







Temperature Switches

T96XX

Barksdale Temperature Switch

Compact explosionproof pressure switch with integral and remote configurations. Rugged all 316SS or a lower cost option of 316SS wetted with an aluminium external housing.

Also available with NACE and SIL 2.

IECEx Hazardous Area Approvals

- Intrinsically safe
- Explosion proof



TXR, TXL

Barksdale temperature switch

Explosion proof temperature switches for remote or local installation and conform to MIL-STD 202F and MIL-STD 901C for vibration and shock.

These thermostats are ideal for freeze protection or temperature control in hazardous applications

Applications

- Compressors
- Heat trace
- Ambient detection

- Intrinsically safe
- Explosion proof



Control Valves

Series II & III control valves

Barksdale pneumatic and hydraulic control valves

For over 50 years, Barksdale Shear-Seal® technology has proven to be dependable in the toughest industrial applications. This is the same sealing technology utilized in the Series II valve family which allows media to flow through internal galleries in the sealing components rather than across sensitive sealing faces. Therefore, metallic particles or other contaminates commonly found in fluid power systems are handled with ease and without causing damage that can lead to leakage.



The Series II valve is constructed of bronze and stainless steel, providing superior corrosion

resistance in marine service and other harsh industrial environments. Internal components are hardened 400 Series Stainless Steel providing compatibility with most common medias.

Applications

- Fluid/gas control
- BOP
- Refineries and chemical processing plants

371MT7 Position Indicator

Barksdale position indicator for Series II & III actuated valves

The 371MTT7 provides reliable valve position feedback for Series II & Series III-L Valves.

Applications

- Remote indication

- Intrinsically safe
- Explosion proof



Rupture Discs

HPX and Sanitary HPX Rupture Discs

Continental Rupture Discs with true 95% operating ratio

The HPX® Rupture Disc is a scored, reverse acting rupture disc. It is a differential pressure relief device that provides an instantaneous full-open, non-reclosing design for protecting equipment, vessels and systems from an overpressure condition. The HPX® Rupture Disc is a high precision reverse acting rupture disc that offers proven performance in excess of 250,000 cycles at 95% operating ratio.

Applications

- Over pressure protection
- Fail safe relief



B.D.I Universal Burst Disc Indicator

Continental Disc Corporation's Burst Disc Indicator (B.D.I.) Alarm System is designed for use with C.D.C. Rupture Discs. Upon disc rupture, the Burst Disc Indicator strip is severed, disrupting the flow of electric current through the strip. An attached alarm monitor can then transmit a warning and/or activate appropriate equipment.

Applications

- Ruptured disc detection

IECEx Hazardous area approval

- Intrinsically safe



Explosion Vent Panels

CFR & CFS

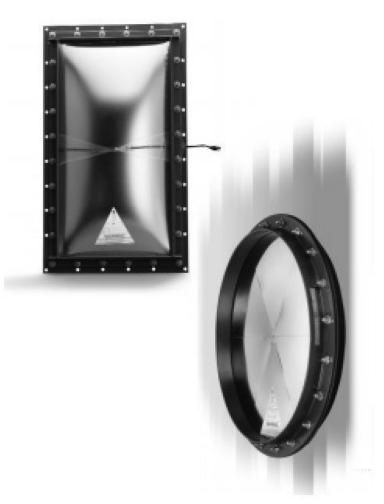
Vent and Explosion Panels

Continental Disc's vent panels are designed to provide instantaneous overpressure protection for pressurized equipment like dust collectors, driers, silos, spreaders, elevators, air scrubbers, sieves, and other various types of dry, bulk handling and storage equipment.

The vent panels are designed to allow a full and immediate opening to minimize structural or mechanical damage that maybe caused by expanded gases, which can result from the deflagration or dust, gases, or mists in equipment, rooms, buildings, or other enclosures.

Applications

- Over pressure protection
- Relief of expanding gasses
- Protection of silos
- Protection of electrical panels



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Measurement Solutions

Measurement Solutions specialises in the application and supply of process measurement sensors, switches, transducers, direction control valves, condition monitoring and over pressure protection equipment. We have a commitment to the application of sound engineering principles and to supply quality assured products in our endeavour to provide the most appropriate solution to your process measurement or over pressure application.

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