



FLEXIM

Transmission refractometer:



- Unique Technology from Zeiss, Germany, 10x better resolution than critical angle refractometer.
- Coating resistant – no drift through sticky products, for liquids of turbidities up to 16,000 NTU, turbidity measurement possible with liquids of higher turbidities.
- Easy installation into all types of pipes. Fittings for food industry or chemical industry.



Dwyer Instruments

We represent the whole product range, please call us for a **free catalogue**:

- Air flow measurement
- DP transmitters, switches
- Pressure transmitters and switches
- Flow meter switches
- Pressure gauges
- Temperature controllers and more



ACCURATE MEASUREMENT

Inductive Conductivity System

Complete Inductive Conductivity System: featuring E53 controller and choice of general purpose and sanitary sensors.



- Model E53 Electrodeless Conductivity Analyzer is a compact, full-featured easy-to-use analyzer offering benefits usually found only in larger, more expensive analyzers.
- The Model E53 can be configured to measure conductivity and % concentration. The Model E53 can measure conductivity up to 2 Siemens/cm. and has eleven built-in pre-programmed concentration curves. Inductive Electrodeless Sensor is a Sanitary style sensor made of PFA Teflon.



Tinytag TINYTAG PLUS RE-ED LOGGERS

These tough and compact data loggers are perfect for recording a huge range of sensor outputs with the absolute minimum of installation requirements. The Re-Ed loggers are configurable for many types of input. **Because it's a TinyTag, you can count on a logger that is:**

- Simple to operate.
- Easy to install, and suitable for temporary or permanent logging.
- Self powered, with a long life user replaceable battery
- Using the simple and intuitive software, TinyTag Explorer
- Reliable and great value for money.
- Able to take 32,000 readings, in a tiny package.
- 4 to 20 mA, 0 to 2.5/10/25 V, 0 to 50 Hz, or digital signal inputs, Temperature and Humidity.
- Calibrate your logger for linear or non linear inputs, and minimizes post processing of data.
- Able to power external sensors for remote installations.



GDS Technologies Ltd.

GDS Gas Detection



COMBI



GAS NET



GDS-2010

- Great Value, reliable, fixed gas detectors.
- Low cost daisy chain cabling for bigger installations.
- RS485 MODBUS systems.
- Explosion proof and safe area models
- Proven in more than 100 installations in Australia and New Zealand.



ACCURATE MEASUREMENT

www.accurate.co.nz

FnB 0901

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Vaisala HUMICAP® Humidity and Temperature Transmitter



HMT 330 series with Six models for demanding applications in various industrial aspects. Large choice of Probes for high temperature and pressure. Warmed probe for superior performance in condensing environments. Shows measurement trends and 1-year history graphically. Corrosion resistant IP65 housing. NIST traceable (certificate included).



Vaisala HUMICAP® Humidity and Temperature Transmitters HMD/W60/70 For Standard HVAC systems Vaisala HUMICAP® Sensor for excellent accuracy and long-term stability, negligible hysteresis and resistance to dust and most chemicals. Temperature compensated



High End on-line analytical measurements

Hand Held Meters



- Vast range of on-line and handheld analytical instruments
- From one-input analogue systems to
- Multiparameter measurement networks
- pH, Dissolved oxygen, turbidity, suspended solids

Digital IQ sensors stand for:

- Long distances from sensors to measuring system
- Fail-save transfer of signals
- Calibration data can be stored in the sensor
- Standardized plug connection directly at the sensor
- Calibration can be processed in the laboratory



WTW handheld pH meters are optimized for on-site use and field use, but can also be used in the laboratory. In particular the pH 340i, with its optional line power supply and serial interface, is suitable for applications in which precise measurements are required



WTW Handheld Conductivity Meter: Robust, shockproof, waterproof Up to 1500 hours of continuous operation 4-electrode principle allows a wide range of applications Useable anywhere, WTW handheld instruments are robust, easy to operate and provide assured accurate readings



Rheonik Mass Flow Meters are now part of GE Sensing



Different name ... Same quality, same service

Patented OMEGA Torsion Swinger technology means:



Less susceptible to gas in the process liquid. Less strain on measurement tubes due to torsion. Swinger design: Longer life span of meter. Pressures over 890 bar. Long lifespan.

- Measurement of liquids and gases
- Flow rates from 0.001 kg/min to 25000 kg/min
- Temperature from -200°C ~ 400°C
- Available in EEx ia IIC - EEx de IIC (ATEX and CSA)
- Fiscal approval (OIML R117)
- HART compatible transmitters
- Accuracy better than 0.1%
- Repeatability better than 0.05%



ULTRA SONIC "CLAMP ON" FLOWMETER

FLEXIM

Solve your flow problems!

- Purchase or hire: Hire rate \$185/day or \$740/week.
- FLEXIM German-made ultrasonic clamp-on Flowmeter technology.
- Accurate flow measurements in an instant.
- Water or liquid product, any pipe size or material from 1" upwards.
- Data logging without power for up to 16 hours.



Positive Displacement or Vortex Flowmeters

- Batching applications
- Viscous products
- Hygienic applications
- For oils and other non-conductive liquids
- Highly repeatable results



On-Line multi-parameter analysis



NIR Technology Systems On-line FOP 38 NIR Analyser

- Powerful NIR Spectrophotometer
- Suitable to develop analysis methods for multiple constituents in foods, pharmaceuticals, plastics and any other materials
- Rugged and low maintenance
- NIR Transmission technology ensures that the whole product is measured and not just the surface

RML Liquid process samplers



- Hygienic sampling
- Waste Water Sampling
- Fully air operated or spring return
- Take timed samples of your process stream



ACCUSOLIDS

Suspended Solids measurement in wastewater, trade waste or the food Industry. Freely calibrate to your process liquid.

- Measure to 25% product concentration.
- 4-20mA = calibrated concentration.
- IP68 sensor for submersion Installation.
- LED IR Sensor
- Temperature and Ambient Light Compensated.
- Thermal shock proof to 110c.
- Rated at 85 C continuous.



Typical application includes:

- Dairy loss monitoring system.
- Trade waste of any type.
- Product/Clarifier Interface.
- Thickener pump down solids control.



Orbisphere510 Multi channel analyser

O2, O3, N2, H2 process gas analyser:
 -Up to 3 sensors using electrochemical or thermal conductivity technologies reducing cost of installation and ownership.
 -High level accuracy, rapid response time and selective gas measurement gives reliable and effective process monitoring.
 -Thermal cut-off offers a longer life span for all ORBISPHERE sensors during CIP/abnormal high temperature conditions.

NEW! ORBISPHERE A1100 oxygen sensor
 The latest development of the well-known and proven ORBISPHERE Electro-Chemical (EC) sensors.



This sensor is designed for process monitoring as well as laboratory analysis in the liquid or gas phases across a wide range of applications from beer or soft-drinks production to rinsing of semiconductor wafers in chip-manufacturing plants, reactorcoolant systems in nuclear power plants, or any place where oxygen measurement is critical.

- Sensor refurbishment in 3 minutes with pre-filled recharge cartridge* (*patent-pending)
- Unique design allows for extended period between recharges
- Unrivalled accuracy and response time for fast detection of process change

+GF+ GF Signet

Great Quality
 Great Value
 on-line pH systems from < \$2000 (plus GST)



Trade Waste pH Systems for every budget:
 Stocked replacement electrodes

Hycontrol Radar and Ultrasonics Transmitters

For every application, 26 GHz radar version, ATEX, HART Admittance switches: coating resistant, Vibrating switches, for liquids and solids.

