Product Overview

Distributed by:

relevant.

Relevant Solutions | 888.858.3647 | relevantsolutions.com

For more information, please visit >

www.hawkmeasure.com
## Product Overview

### Continuous Level Transmitters

**Sultan Acoustic Wave Series**

The Sultan is a non intrusive Acoustic Wave transmitter with flexibility used for level measuring liquids, slurries and solids. The transmission of Acoustic Waves ensures minimal losses through the environment where the sensor is located. Remote, Integral & SMART units are available. The Sultan can operate as a 2, 3 or 4 wire system.

### Blocked Chute Protection Switches

**Gladiator Acoustic Switch Series**

The Gladiator Acoustic Switch uses Acoustic Wave technology in a Sender/Receiver form for blocked chute detection, heavy machinery detection, and as a point level switch in difficult conditions. Acoustic Wave Technology provides the added self-cleaning feature required for applications where material has the potential to coat / stick to side walls or sensor transducers.

### Continuous Level Transmitters

**MiniWave Ultrasonic Level Series**

MiniWave is a compact, loop-powered ultrasonic level transmitter for continuous measurement of liquids. Easy and flexible mounting combined with high chemical compatibility and 12 metres (40ft) measuring range makes the MiniWave suitable in multiple applications in all industries.

### Blocked Chute Protection Switches

**Gladiator Gen 3 Microwave Switch Series**

The Gladiator Gen 3 Microwave provides point level detection of most solid materials. It can be used in any application where microwave energy is absorbed by the material being monitored, and replaces traditional contact switching devices.

### Continuous Level Transmitters

**Centurion Guided Radar**

The HAWK range of Guided Radar products are ideal for the measurement of liquids, sludge, powders and granules to a range of 18.5m for level. This technology is not affected by pressure, temperature, viscosity, vacuum, foam, dust, changes in dielectric constant or coating of the probe.

### Blocked Chute Protection Switches

**G1 Microwave Switch Series**

The G1 Microwave Switch can be used for blockage detection, barrier detection, machine detection, collision detection for protection, point level measurement, and detection of objects or material between two points. A high power circular polarized Microwave pulse is emitted from the Sending unit to the Receiving unit in a transmission chain of approximately 100 pulses per second.

### Sonar Bed Level System

**Mining / Heavy Industry**

**ORCA Sonar System**

The ORCA Sonar will measure up to two density interfaces simultaneously. Typically these are bed level / RAS blanket and floc / fluff layer. The sonar produces a high power concentrated beam, and provides critical plant control to optimize performance.

**Water / Wastewater Industry**

**Sultan Sonar System**

The Sultan Sonar uses a low frequency sonar to measure and control Waste Water Clarifiers and Thickeners. The system is easy to use and the innovative design provides critical plant control to optimize performance.
Level, Positioning and Flow Solutions

Product Overview

Point Level Switches
Gladiator Pump Protection Switch
The Gladiator Pump Protection switch can be used in applications where pipe or wall mounting with minimal protrusion is required. It can also be used to detect the presence of liquids to ensure the pump does not run dry.

Point Level Switches
Gladiator Vibration Smart Switch Series
Gladiator Vibration switches are used for a wide range of liquids and solids. This versatile switch is suitable for many applications requiring level detection, including pump control, high or low-level alarms, for presence / absence of materials.

Point Level Switches
Gladiator Admittance Smart Switch Series
The Gladiator Admittance switch is an all-round point level switch for detecting the level of liquid, slurry or powder. The unit measures the capacitance or “admittance” between the probe and the wall of the container. It operates in tough industrial environments and has high immunity to product build-up.

Point Level Switches
Gladiator Conductivity Smart Switch Series
Gladiator Conductivity switches are suitable for most applications that involve conductive liquids. It is used in food and beverage processing, chemical, oil and gas, paint, paper, pharmaceutical and water / wastewater treatment plants.

Point Level Switches
RS4000 Rotation Switch Series
A Rotating Switch vane is driven by a slow speed synchronous geared motor. For safe and multi-purpose level monitoring in all types of containers and silos. It can be used with all bulk materials and powders as a simple point switch.

Non Contact Flow Measurement
Sultan Flow Measurement System
The Sultan Flow Measurement System is capable of monitoring liquid flow under the most difficult conditions. It suits a broad range of flumes, weirs and flow control structures using application pre-sets or a 32 point custom measurement table.

Machinery Anti Collision Systems
Sultan CraneMaster Anti-Collision Systems
The Sultan CraneMaster Anti-Collision system offers major benefits when control and position functions are required for large moving machinery.

Machinery Positioning Systems
Sultan Machinery Positioning System
The Sultan Machinery Positioning System is a non contact, two piece Master and Slave distancing transmitter for ranges up to 195 metres.

Communication
HawkLink Advanced Remote Communication
HAWK offers a wide range of communication possibilities: GosHawk, DeviceNet, HART, Modbus, Profinet DP, Foundation Fieldbus and Profinet PA. Remote technical support and complete commissioning of equipment in applications via a 3G module, allows monitoring and adjustments of settings no matter what corner of the world.
Product Overview

Magnetic Level Gauge

**HAWK Magnetic Level Gauge**

The HAWK Magnetic Level Gauge (MLG) is widely applied in the monitoring and process control of liquid level and interface for many industries such as petroleum, chemical, power, paper, metallurgy, water treatment etc.

Magnetic Flowmeter

**HAWK FlowMaster Magnetic**

The FlowMaster magnetic flowmeter is designed specifically for conductive liquids, slurries and sludge. The FlowMaster is a non-intrusive measurement sensor which means debris / solids will not clog the line. It is excellent in harsh environments requiring minimal maintenance and ideal in water well production, pump stations, industrial / municipal water & wastewater.

Pressure and Level Transmitters

HAWK has a wide range of Pressure and Level transmitters in “All Stainless Steel design”, both Analog and “Intelligent” series are available with HART® Protocol and Profibus PA.

Many certificates are available, like ATEX Ex, IECEx, SIL2, EHEDG and 3A food approvals, Marine Type approvals like DNV, BV, Lloyds, GL and RINA. All industrial process connections are available (more than 50!).

Services

**Training**

We provide extensive training for our worldwide customers and distributors on a progressive basis so when new products are introduced, training is carried out prior to release to ensure optimum product acceptance and performance.

**Installation / Commissioning**

Our experienced service personnel reduce commissioning time to a minimum, saving time, money and resources.

**Repair Service / Field Service / Pre-maintenance**

HAWK provides customers with excellent after-sales service and guarantee the ongoing function of our products by delivering high quality instruments.

**Remote Technical Support**

Remote technical support and complete commissioning of equipment in applications via our GSM/CDMA module can monitor and adjust settings no matter what corner of the world.

Certifications and Approvals

- Electrical Safety
- Dust Ignition Protection
- Explosive Atmosphere (Gas)
- Radio Frequency (EMI and RFI)

Communication Protocols

- GosHawk
- HART
- Modbus
- Profibus DP
- Foundation Fieldbus
- DeviceNet

Hawk Measurement Systems

(Head Office)

15 - 17 Maurice Court, Nunawading VIC 3131, AUSTRALIA

Phone: +61 3 9873 4750 | Fax: +61 3 9873 4538

info@hawk.com.au

For more information and global representatives: www.hawkmeasure.com

Additional product warranty and application guarantees upon request. Technical data subject to change without notice.