







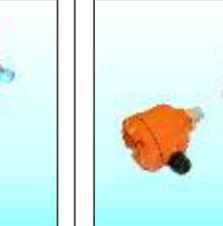
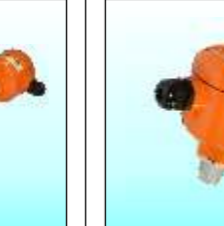









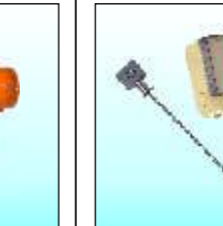




POINT LEVEL SWITCH

FLOAT	CONDUCTIVITY	PADDLE	CAPACITANCE	ADMITTANCE	VIBRATING	VIBRATING	VIBRATING	MICROWAVE	MICROWAVE	FOAM
										
Range: 0-20m / 0-65ft	Range: 0-1m / 0-3ft	Range: 0-1.5m / 0-5ft	Range: 0-5m / 0-16ft	Range: 0-5m / 0-16ft	Range: 0-3m / 0-10ft	Range: 0-20m / 0-65ft	Range: 0-4m / 0-13ft	Range: 0-100m / 0-328ft	Range: 0-1.5m / 0-5ft	Range: 0-6m / 0-19ft
-20 to +200°C -4 to +392°F	-10 to +250°C +14 to +482°F	-20 to +200°C -4 to +392°F	-20 to +800°C -4 to +1472°F	-20 to +550°C -4 to +1022°F	-40 to +130°C -40 to +266°F	-20 to +250°C -4 to +482°F	-20 to +150°C -4 to +302°F	-50 to +500°C -58 to +932°F	-10 to +55°C +14 to +131°F	+1 to +170°C +39 to +338°F
LIQUIDS	LIQUIDS	SOLIDS	LIQUIDS / SOLIDS	LIQUIDS / SOLIDS	LIQUIDS	SOLIDS	SOLIDS	SOLIDS	SOLIDS	LIQUIDS
FLOAT RANGE Very low-cost mechanical devices mounted from either the side or top of the tank. Wide range of process connections and body materials for corrosive environments. Simple to install, with single or multiple switch points. Flexible cable and rigid probe mounting options. High temperature up to 200°C. ATEX options for EExd and intrinsically safe.	HYCA03 Simple low cost level switch for basic water applications or products with conductive media. Metal vessels can be used as a reference probe if required. Simple to install with high corrosion resistant probes. Universal probe design for side or top mounting into small process entries. High temperature options are used extensively on boiler applications.	RP SERIES A low cost electro-mechanical switch range for solids only. Simple to install from either top or side of silo. Corrosion resistant paddle designs. Wide range of process connections and high temperature options. Suitable for powders, flakes, pellets and granules above 500g/litre. Triple shaft seal and long life motor & clutch assembly.	ME SERIES Universal switch range for liquids, slurries, pastes, powders and granular material. Simple to install from side or top of vessel. Rigid probe and cable options and high vibration options for flexible mounting. Corrosion resistant and high temp options with ceramic probes. Safety ground level test facility as standard. Wide range of process connections.	MD SERIES Universal switch range for liquids, slurries, pastes, powders and granular material. Immune to coating on probe so ideal for products such as paint, bitumen and adhesives etc. Simple to install from side or top of vessel. Compact design options available. Corrosion resistant SS probes as standard. High temp and a wide range of process connection options.	TF & MTF SERIES Operates on virtually any liquid requiring no set up calibration. No moving parts, unaffected by vapours and surface agitation. Compact design options available with minimal insertion length. Corrosion resistant, high temperature (130°C) and pressure (40 bar) options as standard with a wide range of process connections and some ATEX options.	DP1 SERIES Ideal for fine dry powder products such as flour, sugar, sawdust or cement. No moving parts to wear. Sensitivity unaffected by dusts and build-up on tank walls. Corrosion resistant Stainless Steel rigid probe and rope versions. Flexible mounting from either the top or side of silo, with simple installation. ATEX options for dust in zones 20, 21 & 22.	DP6 SERIES Ideal for pellet applications. A choice of electronic outputs allows the user to switch a load on/off or to interface directly with a computer. The units can be set to sense high or low level and failsafe high or low, with adjustable sensitivity to eliminate false switching. The switch is only sensitive at the tip, minimising the effect of build-up on tank walls.	MICROWAVE LEVEL Simple, non-contact, non-intrusive level switch suitable for many solids and powders applications. Utilises continuous, low-power microwaves with a range of up to 100m. A safe replacement for nucleonics that is unhindered by product coating. Typically used for blocked chute detection, point switching and as proximity alarms for reversing vehicles.	MICROSENSE FLOW The Microsense microwave switch provides an effective way of detecting the flow or no flow of a wide range of particulate materials along chutes, pipes and conveyor belts. The flow switch uses a microwave Doppler effect and is non-invasive. Microsense improves plant efficiency, increases productivity and reduces plant down time.	SURESENSE/DIFOAM Hycontrol has the most extensive range of aqueous and non-aqueous foam detection systems in the world. Specifically designed to detect, analyse and control virtually any foam, with optional in-built Antifoam pump in the controller, providing key benefits to industry including huge reductions in anti-foam usage and vastly increased batch yields.

CONTINUOUS LEVEL MEASUREMENT

ULTRASONIC	ULTRASONIC	ULTRASONIC	RADAR	RADAR	BYPASS	TDR	TDR	FOAM	SONAR	HYDROSTATIC
										
Range: 0-60m / 0-196ft	Range: 0-10m / 0-32ft	Range: 0-60m / 0-196ft	Range: 0-30m / 0-98ft	Range: 0-80m / 0-262ft	Range: 0-5m / 0-16ft	Range: 0-24m / 0-78ft	Range: 0-35m / 0-114ft	Range: 0-6m / 0-19ft	Range: 0-30m / 0-98ft	Pressure: 0-100bar / 0-1450psi
-40 to +70°C -40 to +158°F	-40 to +90°C -40 to +194°F	-40 to +90°C -40 to +194°F	-20 to +250°C -4 to +482°F	-20 to +200°C -4 to +392°F	-200 to +300°C -328 to +572°F	-20 to +200°C -4 to +392°F	-20 to +300°C -4 to +572°F	+1 to +170°C +39 to +338°F	-40 to +110°C -40 to +230°F	-20 to +250°C -4 to +482°F
LIQUIDS / SOLIDS	LIQUIDS / SOLIDS	LIQUIDS / SOLIDS	LIQUIDS	LIQUIDS / SOLIDS	LIQUIDS	LIQUIDS / SOLIDS	LIQUIDS / SOLIDS	LIQUIDS	LIQUIDS	LIQUIDS
MICROFLEX C/LR 2, 3 or 4-wire 24vDC level transmitters. Low cost, non-contact technology. Simple to install with very compact design and corrosion-resistant body materials. ATEX options available for IS-certified areas. Wide range of outputs including relay, 4-20mA, HART, Profibus, and Modbus. Very low power options available for remote battery applications.	MINIFLEX LR Multi-functional instrument for level, flow, differential, and pump control. Non-contact ultrasonic technology. Low cost and simple to install. 16-digit dual line display for programming and display assistance. Can display level and contents or flow and totalised flow simultaneously. Corrosion resistant range of transducers with integral T-compensation.	REFLEX LR Pushes boundaries of long range ultrasonic monitoring for liquids and solids with multiple relays and output options. Programmable for level, flow, volume, distance and pump control. Low-frequency transmission allows for accuracy in even dusty applications. Remote diagnostics tools options over GSM connection. ATEX options also available.	VG5 SERIES Transmits high frequency FMCW signal of a nominal 10GHz, increasing linearly during measurement (frequency sweep). Wave horn antenna provides a more focussed and reliable signal. Can map complex internal tank structures for precision measurement. Available with a wide range of connections and outputs. SIL2 approval available for critical applications.	VG6 / VG7 SERIES Emits 26GHz frequency with accuracy up to 3mm. Two-wire radar level transmitters unaffected by changes in pressure, temperature, vapours and foam. ATEX options available with EExd & EExia approvals. Ideal for corrosive atmospheres and pressures up to 100bar. Optional drop-shaped antenna resists product build-up / condensation.	REFLEX BYPASS R/T Ideal replacement for displacer with high accuracy of 1mm. Reliable measurement even with agitated surface. Ideal for tanks with complex internal structures. Low maintenance as no moving parts. Option for either TDR or radar as primary measuring device. Wide range of flanges and designs to meet most applications.	VF03 SERIES Transmits low-intensity electromagnetic pulses of approximately one nanosecond's width along a rigid or flexible Stainless Steel conductor. 24vDC loop powered. Purpose-designed for high temperature applications such as bitumen with an accuracy of +/- 5mm up to a maximum range of 24m. HART protocol as standard. FEP probe coating and ATEX options.	VF2 / VF7 SERIES The VF Series TDR is ideal for liquids, powders and granules, unaffected by pressure, temperature, viscosity, vacuum, foam, dust, coating or changes in dielectric constant. Provides high-accuracy measurement via a Stainless Steel conductor (option of Hastelloy-C). Interface measurement with VF7. ATEX option for VF2. Wide variety of process connections.	MULTISENSE Continually monitors and controls foam and liquid levels. MultiSense measures both foam height and liquid interface level with high accuracy. A wide selection of connections, flanges and seal materials are available. The controller can be customised for either foam and liquid, liquid only or foam only detection, depending upon the application.	SONARFLEX Sludge blanket and interface level measurement for demanding applications in water & waste, mining and industrial applications. Has an integrated automatic cleaning mechanism on the sonar transducer and can simultaneously track multiple interface levels of RAS, FLOC and FLUFF. ATEX EExia & EExm options are available.	HYC-XACT i A range of precision pressure transmitters for liquid tank level measurement only. Constructed from 316L providing high accuracy of up to 0.05%. Wide range of process connections are available to suit most applications. Option for integral LCD display with push button calibration behind a laminated safety glass.

SILO PROTECTION

Having designed specialist silo protection equipment for over ten years, Hycontrol have extensive experience of the potential problems that exist on sites, especially in the cement, quarrying, bitumen, food, plastics and waste water industry sectors. Ineffective filters, blocked pressure relief valves (as pictured top right) and unchecked pneumatic tanker deliveries are common problems that are all too frequently ignored. Put simply, many powder storage silos are nothing short of disasters waiting to happen, with explosive over-pressurisation and over-filling incidents putting lives at risk and posing serious threats to the environment.



These risks can only be avoided through the implementation of a complete, fully-testable Silo Protection System (as pictured bottom right). Hycontrol's advanced SPS is the first system on the market to fully comply with and exceed the comprehensive safety guidelines issued by the Mineral Products Association (MPA).

At the touch of a single ground-level button, the system fully tests all essential components - the pressure relief valve, pressure sensor, and high-level alarm - before allowing the inlet valve to open, all within six seconds. Failure of any component will trigger an alarm and prevent delivery. Our system has proven itself in hundreds of installations and has received numerous industry awards. It is nothing short of the last word in ensuring silo safety.



DESIGN / BUILD / INSTALL / SUPPORT

Hycontrol have been at the forefront of level measurement technology for over thirty years, providing effective solutions for diverse applications across a wide range of industries ranging from quarrying to food; from nuclear power to chemical and from animal feed to waste recycling. From our manufacturing base in Redditch, Worcestershire, we have been trusted to oversee thousands of applications across the UK and around the world.

At Hycontrol, we pride ourselves on providing a 'complete solution' service to our UK customers. We have the experience and skill to design, manufacture, install and maintain bespoke measurement and control systems that are crafted to suit the particular needs of each individual customer.

We understand the consequences of inaccurate or unreliable level systems, and therefore each Hycontrol installation is tailored precisely to match your application. Our goal is simple: to provide the best engineered solution - *without compromise*.

With one of the widest ranges of level measurement technologies on the market including a patented range of foam detection and control equipment, backed up by a team of highly experienced engineers and technicians, Hycontrol are a leading force in advanced level solutions.



HYCONTROL
LEVEL MEASUREMENT SOLUTIONS