



**ALVI TECHNOLOGIES PTY LTD**

**Process Instruments**

**Gas Detection Systems**



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Liquid Analysis  
Control Valves  
Pressure Transmitters/Gauges  
Flow Meters  
Level Transmitters  
Turbidity Sensors  
Fixed Gas detection systems  
Signal Isolators/Converters

# KNICK SIGNAL ISOLATORS

Isolators and Signal Converters for 0-20mV DC up to 0-4800VDC Input. Field Selectable output signals.

Loop-powered Isolators for Standard signals including SIL2/SIL3 approval.

Extremely high isolation options for demanding applications (mining, rail, industrial etc.)

BasicLine family of isolators/signal converters for everyday applications.



# KNICK LIQUID ANALYSIS

Industrial transmitters and Memosens probes for pH, ORP, conductivity and dissolved oxygen.

2 or 4-wire powered transmitters including IECEx Zone 0/1/2.  
Various BUS protocols

Industrial enclosures including full stainless steel for pharma/F&B.

Portable meter for pH/ORP, conductivity and dissolved oxygen  
(World's only IECEx Zone 0 meter)

Fully automatic self-cleaning and self-calibrating pH system



# TURBIDITY SENSOR



- Compact design with integrated amplifier
- Measuring Range: 0 - 10 NTU
- Output: Modbus or 0/4-20 mA
- No calibration necessary by the user
- Water Industry

- Compact design with integrated amplifier and touch display
- Measuring Range: 0-100 %turb
- Hygienic Design, CIP/SIP-capable



# PRESSURE TRANSMITTERS / GAUGES



- Pressure Transmitters / DP / Switch
- Measuring Ranges: -100 to 40 MPa
- Output: 4-20mA, HART
- Connections: Tri-clover, Screwed
- Certifications: EHEDG (food industry), IECEx
- Medium: Liquids, Gases, Steam, Air



# LEVEL TRANSMITTERS



- Ultrasonic, Hydrostatic, Radar, Differential Pressure
- Output: 4-20mA, HART, RS485, Relays
- Compact / Remote Mounts



# GAS DETECTION SYSTEMS



- Detection of Toxic, Flammable/Explosive, Oxygen depletion & Refrigerants for safe area and hazardous area.
- **Gases:** CO, CO2, NO, NO2, O2, H2S, NH3, Cl2, Ethylene, VOC and other toxic and flammable gases
- Long life, fast response, quick recovery to zero, polarity protected
- **Analog** (up to 32 sensors), **Digital** (up to 96 sensors)
- **Relays:** Up to 20 Relays (Digital Outputs (potential free 5Amps))
- LCD Display, simple menu, easy to program, adjustable alarms for individual transmitters, digital inputs



# FLOW METERS



## Thermal Mass Flow Meters

Output: 4-20mA, Pulse, RS485  
DN10-DN2000mm

## Vortex Flow Meters

Output: 4-20mA, Pulse  
DN15-DN600mm



## Magnetic Flow Meters

Output: 4-20 mA, pulse, Bluetooth  
DN3-DN3000mm



## Ultrasonic Flow Meters

Output: 4-20 mA, pulse, Modbus  
DN15-DN50mm



## Portable Handheld Ultrasonic Flowmeter

Output: RS232, Pulse  
DN15-DN6000mm

## Fixed Ultrasonic Flowmeter

Output: RS485, Pulse,  
4-20mA, Relays  
DN15-DN6000mm



# VALVES



**Seat Valves:** Angle Seat Valves, Globe Valves, Flange Valves, 3-way valves, Right Angle Valves, Butterfly Valves, Ball Valves.

**Sliding Gate Valves:** Diaphragm actuator, piston actuator, Motor actuator, Pressure actuator

**Ball Sector Valves:** Used especially for dirty, abrasive, and pasty media in a variety of demanding on/off and control applications.

**Sanitary Valves:** Used for hygienic applications.

**Digital Positioners**

**Electric actuators**

