

MINIFLEX LR

Non-contact ultrasonic level measurement is one of the most versatile level measuring technologies available today, but the introduction of the new Miniflex LR moves these boundaries even further into the next generation.

Miniflex LR, with its wide range of transducers and advanced PULSE window echo tracking technology, is capable of measuring virtually any liquid or solid and can be used in a wide range of industries including water and waste, chemical and process, quarry and aggregate.

The programming is via a simple button keypad situated behind an IP65 protection front cover. The two-line 16 digit display enables programming without the use of a manual by simply using a flow programming chart, and following an application specific guidance routine therefore reducing set-up times to a minimum.

Miniflex LR utilises automatic gain control to cater for changing vessel characteristics such as foam or agitation and to ensure the instrument always receives stable true echoes.

Stirrers and agitators rotating in front of a conventional ultrasonic transducer will produce a signal indicating a higher product level within the tank however the Miniflex LR has advanced echo extraction routines. These will effectively blank out the stirrers so the correct level is always monitored providing reliable and stable output.



Measurement

Liquids - Slurries - Pastes - Solids

Range

0 - 10 m

Application

Water - Chemicals - Sewage
Acids - Paints - Inks - Oils

Industries

Chemical
Water & Waste
Process
Food
Quarry
Petrochemical

Product Highlights

- Multi programmable
- Advanced echo extraction
- 5 button intuitive programming
- ATEX hazardous area approvals
- Non-contact measurement principle
- Level/Flow/Volume/Pump control
- Chemical resistant transducers
- Distance / Differential control
- 16 digit two line LCD backlit display
- Displays level and ullage

Specification

Function:	Level/Flow/Distance/Differential/Pump Control/Volume
Measuring Range:	0 - 10 m
Environmental Protection:	IP65
Process Connection:	M20 or flange options
Power Supply:	24 VDC /95/110/230 VAC
Analogue Output:	4-20 mA
Communication:	RS232
Relay Outputs:	3 x 8A 250 VAC, SPDT
Display:	LCD 2 line 16 digit
Max. Process Temperature:	-40 to +90°C
Accuracy:	0.25% of measured distance

