

The new Miniflex LR ultrasonic level and flow controller has been designed to replace two very successful but long running instruments. This rationalisation reduces cost coupled with the superior performance of the Miniflex LR enables it to replace the older style Miniflex Plc and Liquiflex Plc controllers with a single product for applications up to a maximum range of 10m.

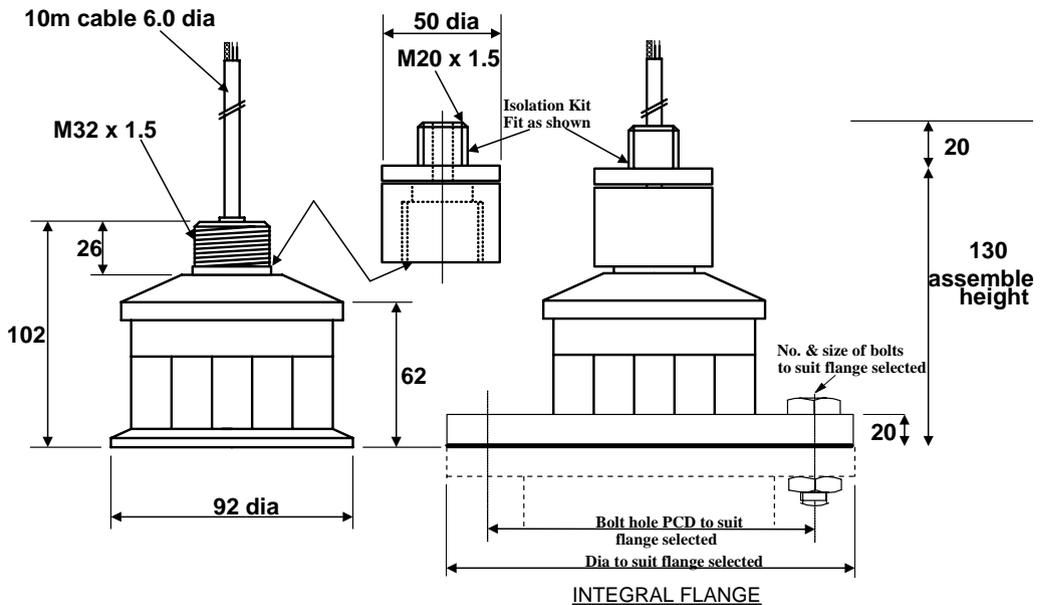
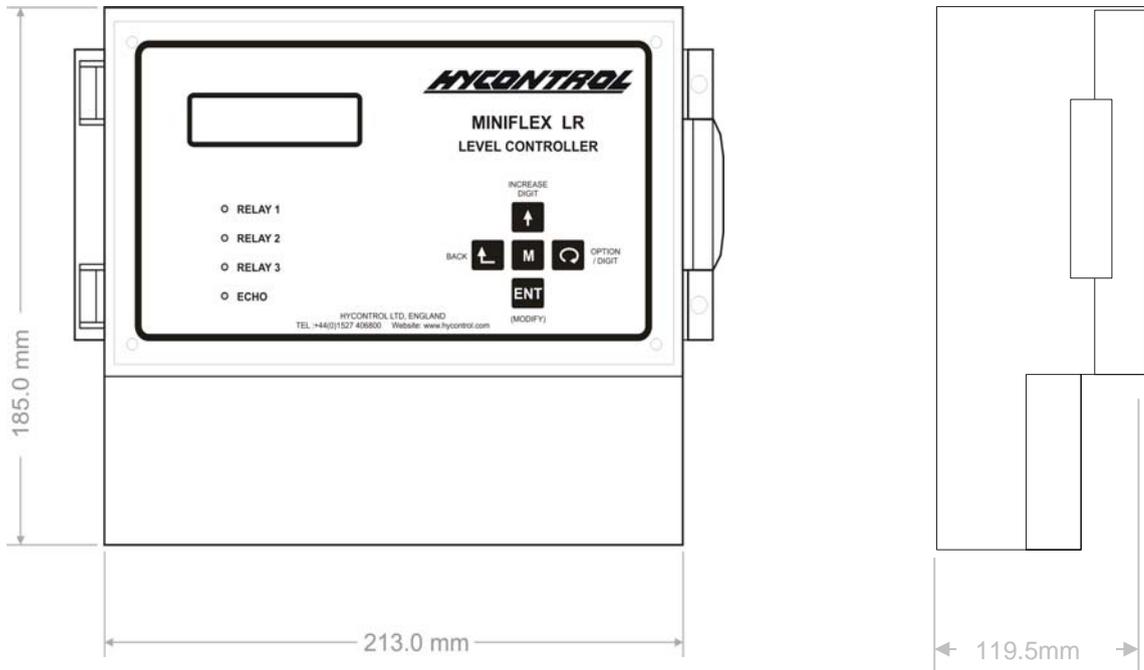
ATEX approval for encapsulated devices  II 2 GD for use with RY and RW transducers in gas zones 1 and 2 and combustible dusts. With its IP65 wall mount enclosure with separate termination compartment the Miniflex LR is safe to mount in virtually all applications where Ultrasonics can be used. Integral two line backlit LCD and menu driven pre programmed functions makes programming extremely easy.

Programmable for level, distance, volume, flow and differential with simple sub routines which only require editing Miniflex LR is suitable for use on most process applications for liquids, slurries and solids. A maximum of 300m separation is possible between transducer and controller.



TECHNICAL SPECIFICATION

Mode	Miniflex LR Ultrasonic Level and Flow Controller
Pt No	MINI LR
Minimum measuring range	0.3m
Maximum measuring range	10m
Programmable	Level, Distance, Volume, Flow and Differential Level
Enclosure	IP65, NEMA 4X, IK08/IK07 Polycarbonate hinged lid
Dimensions	185h x 213w x 119.5d mm
Weight	1.55Kgs
Power Supply	95/110/230VAC +/-10% 50/60Hz 12VA 24VDC +25% -10% 9W Separate terminals
Fuse Ratings	F3 T160mA for AC supply F4 T250mA for 24VDC supply F1 & F2 T80mA
Accuracy in change of level	+/- 0.25% of measured distance at constant 20°C
Ambient temperature range	- 20° to + 70°C
Resolution	2mm or 0.1% of range which ever is the greatest 4/20mA into
Analogue output	750 Ohms. 16 bit short circuit protected and Opto – isolated on AC. No isolation on 24VDC
Relay output	3 multi functional SPDT relays rated 8A/250VAC/30VDC resistive with Gold contacts
Indication	Integral 2 line * 16 digit back lit LCD 3 red LED indicating relay status
Interface	5 key integral keypad with security code
Fail safe	High, Low or Hold
Damping	Fully adjustable
Blanking	Fully adjustable
Hazardous area approval	ATEX  II 2GD
Protection type	Ex m II T6
CE Certification	KEMA 04ATEX1124X
CE approved EMC tested	BS EN61000-6-2:2001 & BS EN61000-6-3 including A1 & C1
Low voltage directive	EN61010
Compatible transducer types	RY & RW



RY AND RZ TRANSDUCERS