

MICROFLEX-C

Elect. Iss. 01

COMPACT TWO WIRE LOOP POWERED
LIQUID LEVEL TRANSMITTER

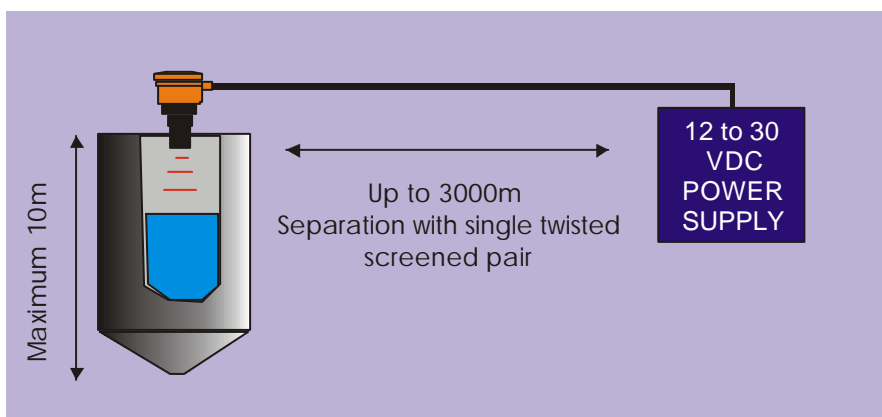


FEATURES

- TWO WIRE LOOP POWERED
- 12 - 30 VDC
- IP 67 HOUSING
- COMPACT SIZE
- PVDF WETTED PARTS
- FALSE ECHO REJECTION
- 2" BSPT PROCESS CONNECTION

BENEFITS

- COMPACT SIZE
- EASE OF INSTALLATION
- SIMPLE TO PROGRAM
- LOW COST
- PROVEN PERFORMANCE



SIMPLICITY

The compact construction coupled with integral LCD display, three push buttons under the lid for security, and just eight parameters to set means that MICROFLEX-C is probably the simplest level transmitter on the market to calibrate and use.

CHOICE

MICROFLEX-C can be configured for either level or distance in meters, feet or a percentage of span. Empty distance and span can be entered in real values, anywhere within the instruments range.

SPEED

Conventional loop powered ultrasonic level transmitters are generally slow to respond to changing levels and care needs to be taken when considering their use. MICROFLEX-C can track level changes as fast as 10 meters per minute, without risk of losing signal.

APPLICATION

ATEX hazardous area approved units are available for use in Zone Zero environments. The transducer is manufactured in PVDF and is ideal for use in corrosive applications.

PROVEN PERFORMANCE

Using a combination of unique echo extraction routines, which have proven so successful in thousands of ultrasonic level measuring instruments supplied world wide, we can ensure that MICROFLEX-C will provide the level of performance expected from one of the leaders in ultrasonic level technology.

FALSE ECHO REJECTION

This is further enhanced by using the selectable FER function which enables the instrument to identify two fixed obstructions within the path of the Ultrasonic beam, memorise their position and ignore them during the measuring process.

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TECHNICAL DATA SHEET

SPECIFICATION	MICROFLEX-C	MICROFLEX-C ER	MICROFLEX-C IS
Measuring Range	0.3 - 8 m	0.3 - 10 m	0.3 -10 m
Enclosure	IP67glass filled nylon	IP67glass filled nylon	IP67glass filled nylon
Power supply	12-30 vdc (Loop powered)	12-30 vdc (Loop powered)	12-30 vdc (Loop powered)
Output	4-20mA into 750 ohms	4-20mA into 750 ohms	4-20mA into 750 ohms
Relays	None	2	None
HART protocol	No	Yes	Yes
Integral LCD Display	4 digit lcd	4 digit lcd	4 digit lcd
Cable entries	2 x M20x1.5mm entries	2 x M20x1.5mm entries	2 x M20x1.5mm entries
Transducer material	PVDF	PVDF	PVDF
Process Connection	2" BSPT	2" BSPT	2" BSPT
Resolution	1mm	1mm	1mm
Accuracy	+/- 3mm	+/- 3mm	+/- 3mm
Operating temperature	-20 to +70 deg C	-20 to +70 deg C	-20 to +70 deg C
Operating pressure	3 bar max	3 bar max	3 bar max
Maximum seperation	3000m	3000m	3000m
Approvals	CE to EN50081-1 CE to EN50082-2	CE to EN50081-1 CE to EN50082-2	CE to EN50081-1 CE to EN50082-2 ATEX Approval for IS zone 0

Hycontrols policy is one of continuous development, consequently the right is reserved to modify these specifications without notice.

