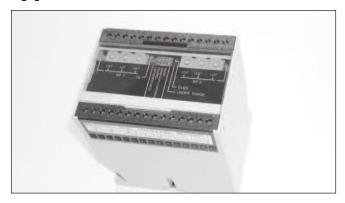
Ultrasonic Evaluation Unit for Sensor Head Type UC EU 80 -1





- 100 x 75 x 110 mm housing, DIN-rail mounting
- Outputs: PLC, Display, RS232, sensor supply
- Input: Sensor head UC 80 CND 80 FS M1
- Full programmable
- Hold function, 2 set points, over- and under range, analogue outputs 0-10 VDC and 4-20 mA
- Power supply: 24 VDC unregulated (19 to 30 VDC)
- Protection: Short-circuit, reverse polarity, transients
- Protection degree IP 40
- Screw terminals
- Distance to sensor head: up to 50 m

Product Description

Evaluation unit for sensor head UC80CND80FSM1. From the evaluation unit it is possible to program all sensor settings e.g. sensitivity, NO or NC switching and angle of analog output. As the sensor and evaluation unit is sepa-

rated it makes the two-part set-up an ideal solution for level measurement in high tanks. When the evaluation unit is mounted in a panel all settings can be fixed here and not on the top of the tank.

Ordering Key	UC EU 80 -1		
Ultrasonic sensor Housing style Evaluation unit Sensing distance Variant			

Type Selection

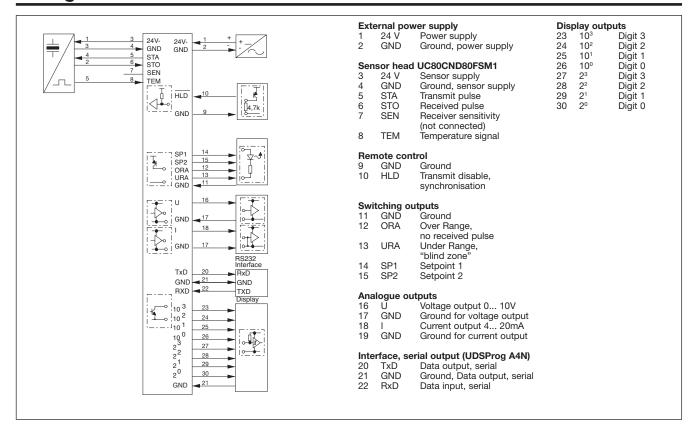
Housing dimensions	Connection	Rated operating dist. (S _n)	Ordering no.
100 x 75 x 110 mm	Screw terminals	800-8000 mm	UC EU 80 -1

Specifications

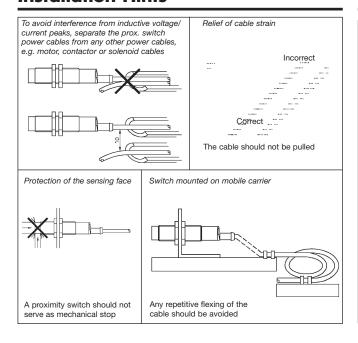
Rated operational volt. (U_{e})	19 to 30 VDC (ripple included)	Programmable functions	Basic set-up, saving of basic set-up, analogue output range and offset, set points, over- and under range, repetition frequency, false echos, read-out of parameters, mode register.
Ripple	≤ 10%		
Protection	Short-circuit, transients and reverse polarity		
Rated insulation voltage	> 1 kV		
Inputs			
Sensor head Hold	Pins 3, 4, 5, 6, 8	Rated operating distance	800-8000 mm
Outputs Set point 1	Pin 10 (active LO) Pin 14 PNP, open collector	Ambient temperature Operating Storage	0° to +50°C (32° to +122°F) -25° to +85°C (-13° to +185°F
Set point 2 Over range	Din 10 100 mA, Short	Degree of protection	IP 40
Under range	Pin 12 circuit protected	Housing material	ABS (Teluran 877T)
Analogue output, 0-10 VDC	Pin 16, R_{min} 1450 Ω Pin 18, R_{max} 250 Ω BCD, pins 23-26 HEX, pins 27-30	Housing dimensions	100 x 75 x 110 mm
Analogue output, 4-20 mA		Connection	Screw terminals
Display		Weight	370 g
	NPN, open collector, 30 VDC, 20 mA, short- circuit protected	CE-marking	Yes
Carrier frequency	65 kHz		



Wiring



Installation Hints



Dimensions

