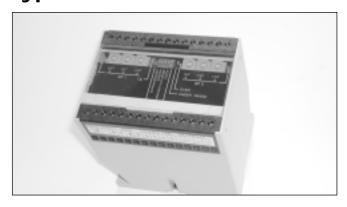
Ultrasonic Evaluation Unit for Sensor Head Type UC EU 80 -1





- 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 censor head: up to 100 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 ————————————————————————————————————		

Type Selection

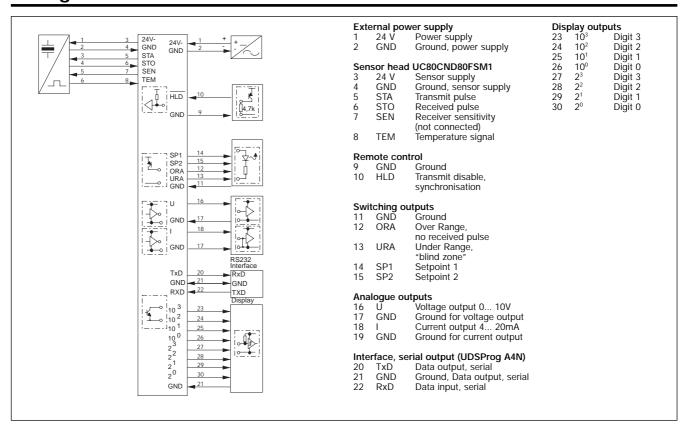
Housing dimensions	Connection	Rated operating dist. (S _n)	Ordering no.
100 x 75 x 110 mm	Screw terminals	800-8000 mm	UC EU 80 -1

Specifications

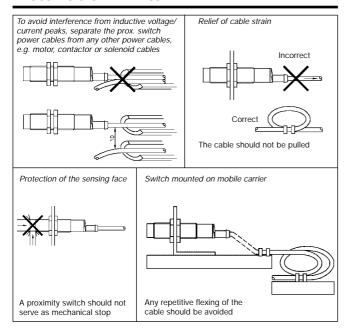
Rated operational volt. (U _e) Ripple Protection Rated insulation voltage	19 to 30 VDC (ripple included) ≤ 10% Short-circuit, transients and reverse polarity > 1 kV	Programmable functions	Basic set-up, saving of basic set-up, analogue output range and offset, set points, over- and under range, repetition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



Wiring



Installation Hints



Dimensions

