

LONG RANGE WIRELESS TANK LEVEL MONITOR

LEVELWATCH LW3



LW3B1/D



LW3E1/D

FEATURES

- easy mounting due to wireless sensors
- up to 250/400 m range
- continuously display level data in %
- built-in audible alarms
- battery or external powered
- version with relay output (LW3E/D)
- receives data from various NAVIS level sensors
- illuminated LCD display
- optional repeater/range extender for extend range and obstacle avoiding

FUNCTIONS

- display liquid volume in %
- Hi and Lo level optical and sound alarm
- linearization for round tanks

APPLICATIONS

- rain water level monitoring
- other liquid level monitoring



NAVIS

COMPATIBLE SENSORS



SC10 - CAPACITIVE LEVEL SENSOR



SC10/R - CAPACITIVE LEVEL SENSOR



SU10 (1"), SU11 (6/4"), SU12 (2") ULTRASONIC LEVEL SENSOR



SP10 - HYDROSTATIC PRESSURE SENSOR

ORDERING

Display unit

- LW 3B1/D - display unit, battery powered
- LW 3E1/D - display unit, external powered, with relay, external antenna and sound alarm

Compatible sensors

- SC10 - capacitive sensor, integrated transmitter
- SC10/R - capacitive sensor, separated transmitter
- SU10 - ultrasonic sensor up to 1,5 m
- SU11 - ultrasonic sensor up to 3 m
- SU12 - ultrasonic sensor up to 5 m
- SP10 - hydrostatic pressure sensor, various ranges

OPTIONAL ACCESSORIES

- 1 Long SMA antenna
- 2 REMOTE ANTENNA WITH 3 CABLE (only for LW3 E1/D model)
- 3 LRP 011-1 Repeater



1



2



3

TECHNICAL DATA

Volume units:	% , 12 segment graph
Alarms:	low level, high level or pump control
Sound alarm (only at LW3E/D):	83 dB/10cm
Display refresh rate:	every 5 seconds
Display resolution:	1%
Temperature operating range:	-20 ... +50 ° C
Frequency band:	868 MHz
Antenna:	type LW3B1/D: integrated antenna type LW3E1/D: external antenna, 50 Ohm, SMA connector
Range:	type LW3B1/D: up to 250 m visible distance type LW3E1/D: up to 400 m visible distance
Power supply:	type LW3B1/D: battery 2 x 1.5 V AA Mignon (not enclosed) type LW3E1/D: external adapter (enclosed)
Battery life:	type LW3B1/D: up to 12 months
Relay (only at LW3E/D):	1 x Hi/Lo alarm or pump relay, contact 5A / 48 V
Housing:	89 x 74 x 41 mm, ABS, IP67