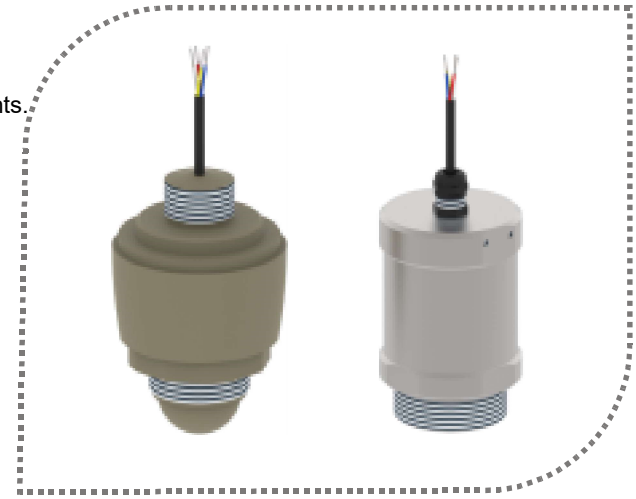
ELW 800 series radar sensors are used for non-contact level measurement of liquids and solid materials.
It can be used to measure all kinds of liquids and solid materials.
It is suitable for working in high temperature, pressure and dusty environments.
It is not affected by sticky substance and condensate formation.



Electromagnetic waves propagate from the antenna of the measuring device and send them to the surface of the liquid or solid.
The filler reflects Em waves and is detected by the measuring instrument antenna.
The level is calculated by calculating the arrival and departure times of the waves in the measuring device and from the adjusted chamber height.
It provides high processing capability thanks to the use of two microprocessors and wave tracking algorithm.

Applications :
Almost for all liquids and solid particules.
Especially with abbrasive/aggresive liquid level measurement applications.
Such as ; Chemical,and pharmaceutical industries, food and plastic industries, power plants, oil and cement factories. Water, acid and oil tanks,
Cement and klin silos. Grain and livestock feed silos.
Fire water tanks, rivers, waste material and waste water applications.

ELW OEM

RADAR TYPE LEVEL TRANSMITTER

ELW 8001 , ELW 8002

Advantages :
* Durable mechanical construction
* Wide range of applications
* Not affected by foam or steam
* Suitable for use in dusty environments

CE

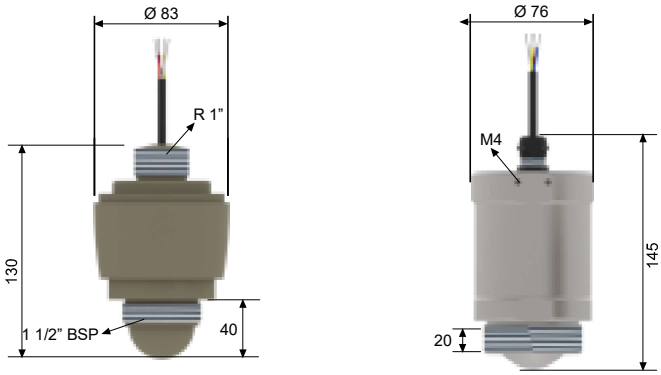
Model : 83-2025-000

Technical Specifications :

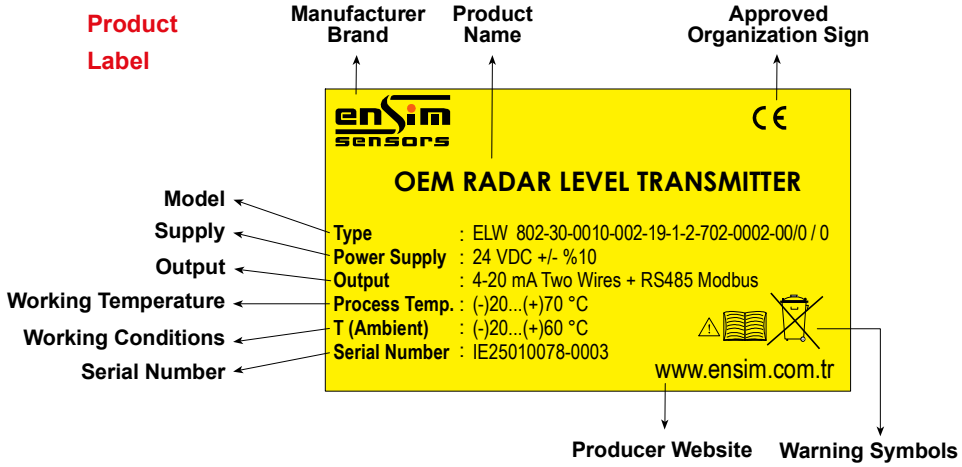
	ELW 8001	ELW 8002
Material to Measure	Liquid	Solid Particulate Materials
Range	0… 10 m. / 0… 20 m. / 0… 30 m.	
Settings Menu Language	English	
Sensitivity	± 2 mm	
Repeatability	± 1 mm	
Resolution	1 mm	
Frequency	77 - 81 GHz	
Adjustment	RS 485 / HART / Bluetooth	
Cable Input	M16x1,5mm	M12x1,5mm
Electric Connection	Cable (Ø 6,5 mm)	
Process Connection	1”BSP (Top Mounted) - 1 1/2” 1”BSP	2” 1”BSP
Antenna Type	Compact	
Connection, Antenna	PP	
Body Material	PP	Stainless Steel
Working Temperature	(-) 20°C… 70°C	
Ambient Temperature	(-) 20°C… 60°C	
Relative Humidity	< % 95	
Working Pressure	(-) 0,8 bar... (+) 3 bar	
Beam Angle	3,5°	
Supply Voltage	15...36 VDC 2 Wire Version	
Power Absorption	0,5 W	
Output Signal	4-20 mA 2 Wire+ RS485 Modbus HART (Solid Particulate Materials Only)	
Integration Time	0... 20 s., Programmable	
Weight	~ 0,5 kg	~ 1,5 kg
Protection Class	IP 68 (EN60529)	
Settings	It can be done via Bluetooth. (My Radar)	

Example :

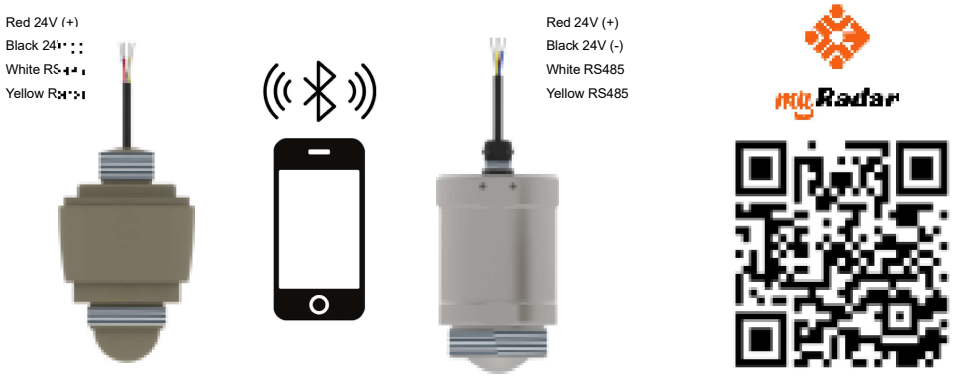
ELW 1000

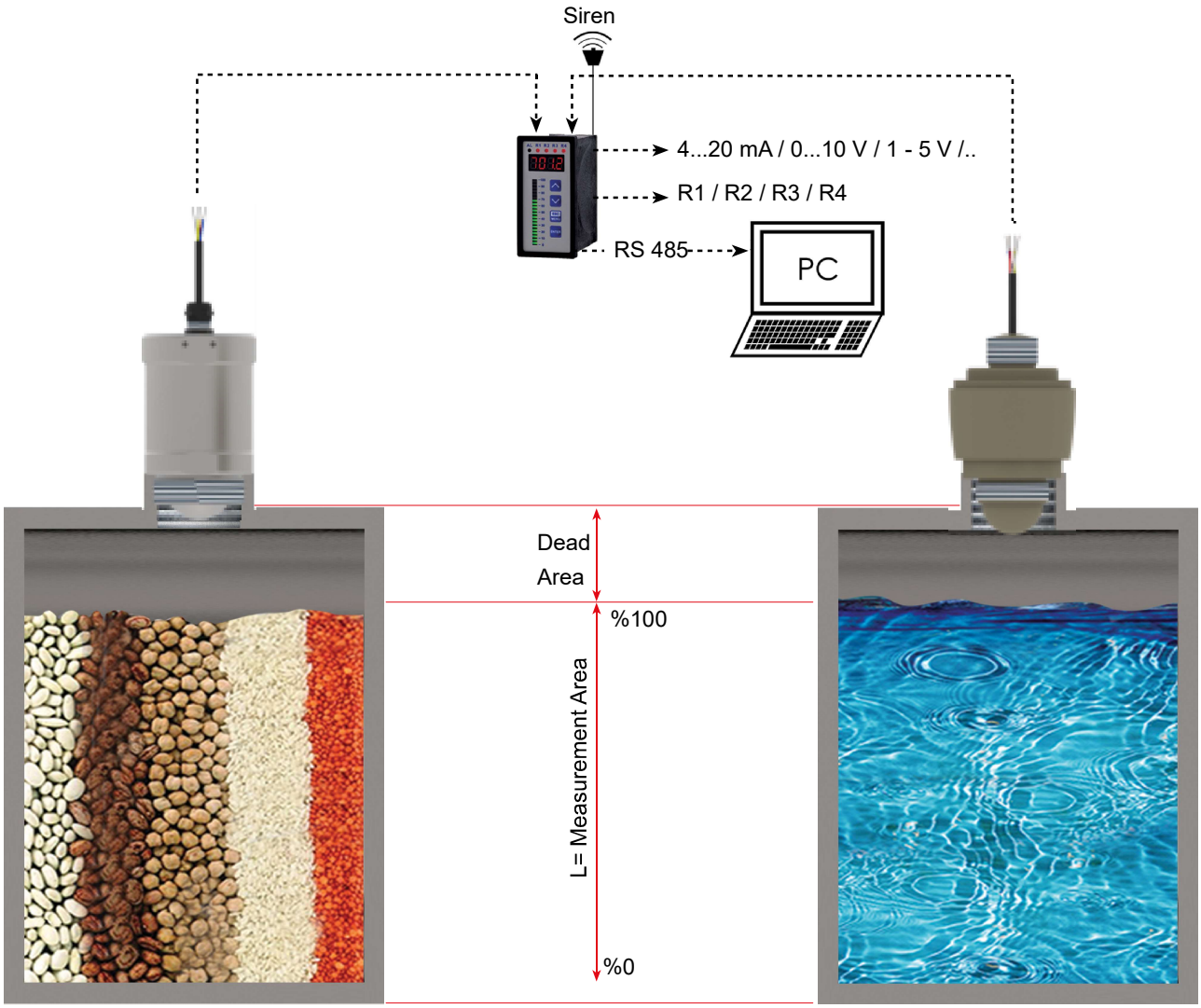


Label :



Electrical Connection:





Connection Apparatus

Material: 304 Stainless Steel
Retractable Hinged





Order Form : Please consider sample models when coding

1 MODEL ELW

Std. Type.....8

2 CERTIFICATE

None..... 0

(EN10204-3-1) Material Certification 1

3 CONNECTION TYPE

PP Antenna (Liquid).....01

PP Antenna (Solid).....02

4 MEASURAMENT RANGE

10 m. 10

20 m. 20

30 m. 30

Special.....x

5 WORKING TEMPERATURE

(-) 20°C...(+) 70 °C (Std.) 5

Special.....x

6 CONNECTION MEASUREMENT

(1” BSP Top) 1 1/2” BSP 0010

2” BSP 0012

Special.....x

7 OUTPUT

4-20mA + RS485 + Bluetooth.....46

Special.....x

8 BODY MATERIAL

316 Stainless Steel.....0002

PP.....0062

Special.....x

9 CONNECTION and ANTENNA

316 Stainless Steel.....0002

PP.....0062

Special.....x

10 ELECTRICAL CONNECTION

PVC Cable (Max. 60°C For OEM).....80

Special.....x

11 OPTIONAL

None...../ 0

Suspension Apparatus for PP Model...../ A1

Suspension Bracket for 304 Stainless Steel Model.../ A2

Special.....x

EXAMPLE ELW 8001 - 30 - 5 - 001a - 46 - 0062 - 0062 - 80/0

Radar Level Transmitter, Model ELW 8001, 30 m. , 4-20 mA Two Wire, RS485 , Bluetooth , R 1 1/2”

LONCA MAK.SAN.TİC.A.Ş.

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