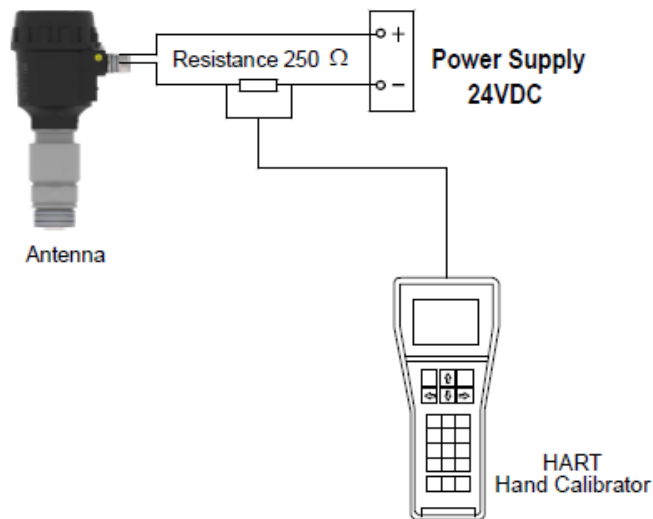


Ensim Non-Contact Radar Level Transmitter ELW

Radar Level Sensors are excellent devices for no contact level measurement.

The Ensim ELW radar series has an integrated management system filtering false echos. Using a demodulation technology to accurately identify their impulse emission and reception, thus determining and measuring the level of the process.

The ELW 800 series provides a higher processing capability with its two microprocessors, as well as their wave tracking algorithm.



HART Communication with hand terminal

Working Principle:

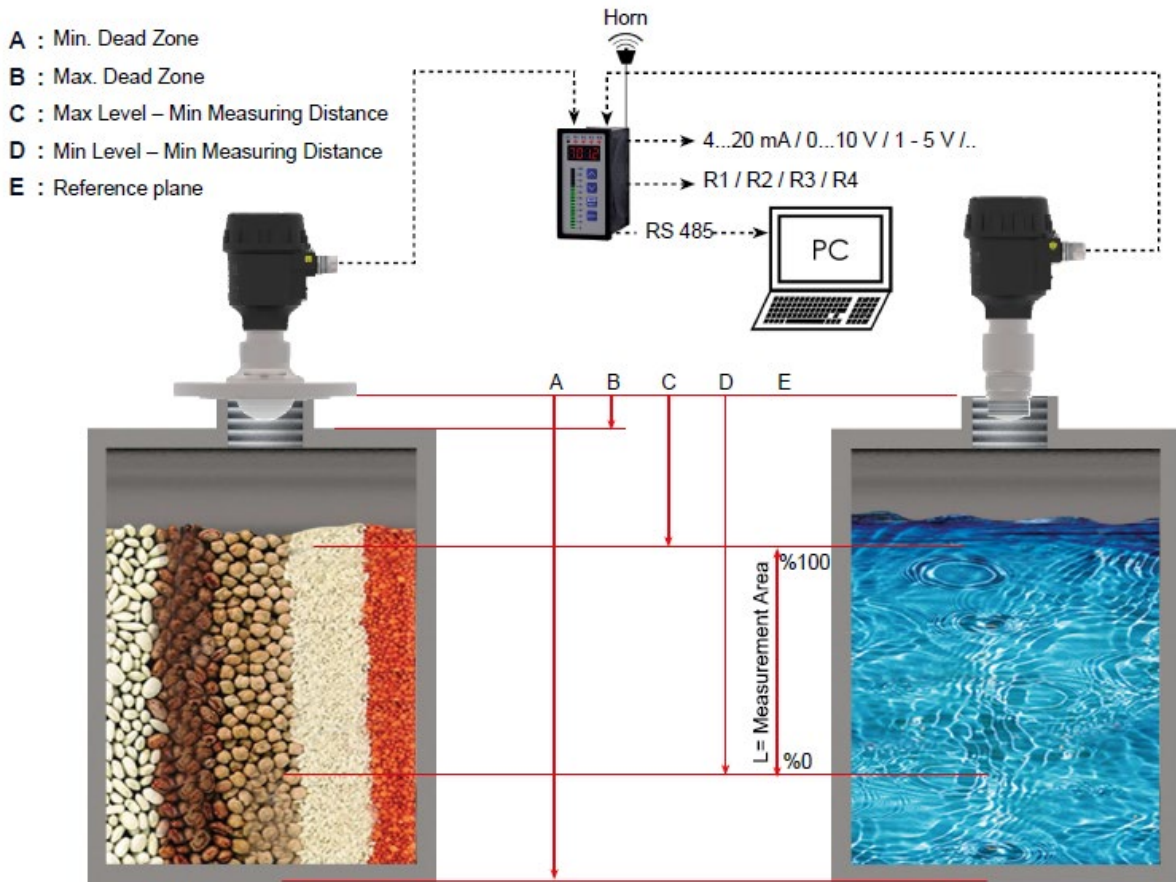
The microwave impulses, emitted by the radar antenna are reflected by the surface of the medium and received by the same antenna. The period of between the emission and the arrival of the impulses, is proportional to the existing distance between the antenna and the surface of the medium.

Advantages:

- Reliable and accurate
- Easy to setup
- Durable mechanical construction
- High temperature models available



Ensim Non-Contact Radar Level Transmitter ELW



Applications:

Ensim's ELW 26GHz series are especially applied for corrosive liquids, while the 80GHz series is applicable for almost all liquid and solid particles, and is especially suitable for abrasive/aggressive liquid level measurement.

Examples of industry application are :

Chemical, Pharmaceutical, Food, Plastic industries, Power Plants, Oil, Cement factories.
Water, Acid ,Oil tanks. Cement, Klin, Grain and livestock feed silos.
Fire water tanks, rivers, waste material and waste water applications.

Read more : [ELW 26GHz](#)
[ELW 80Ghz](#)

