The 6547 Radar Water Level Sensor provides continuous water level measurement of water in rivers, streams, open waste water channels, storm water overflow tanks and pump stations. The 6547 is a radar sensor which provides accurate long term measurements of water level up to 8m range from the sensor.

The radar sensor emits extremely short microwave pulses through the antenna. The emitted signal is reflected by the medium/water and then received as an echo by the antenna. The time between the emitted and received signal is proportional to the distance and is outputted as measured value.

The sensor is normally mounted vertically with a bracket mounted on a structure with the sensor pointing downwards.

The 6547 is almost maintenance-free due to non-contact measuring principle and is protected by a IP 68 housing.

Radar readings are unaffected by change in temperature and pressure making this instrument ideal for use in difficult process conditions.

When used with a companion Unidata IP data logger, collected data is transmitted to a central Neon server where data can be viewed on the Neon Web server in near real time from any browser. Same data can be reported to other systems using email, ftp, and web services.

**SPECIFICATIONS**

**PHYSICAL**
- **MATERIAL:** Valox PBT or PP Enclosure IP68
- **SIZE:** Diameter 93mm. Length 243mm
- **WEIGHT:** ~2.00kg
- **OPERATING TEMPERATURE:** -40°C to 60°C

**ELECTRICAL**
- **EXTERNAL POWER:** 12V-35VDC
- **RANGE:** Standard 0m-8m
- **ACCURACY:** ±5mm
- **FREQUENCY RANGE:** K-band
- **I/O:** 4-20mA two wire
- **CABLE:** 12m or more if required of 2 core + Kevlar relief wire.