

# The OBi



The OBi sensor provides accurate fill-level reporting from almost any tank type. Using the latest ultrasonic measuring technology and wireless communications, the OBi ensures that generators and haulers know the fill-level of their tank containers at all times, optimizing service routes and delivering significant savings on the cost of management and refilling.

**FILL LEVEL MONITORING** - Using the most advanced ultrasonic sensor technology and digital signaling processes, the OnePlus OBi measures the fill-level of almost any liquid or material

**ROBUST & RELIABLE** - Small in size and light in weight, the OBi is rugged and proven in the harshest of environments. Stringent testing and IP66 packaging ensures a reliable and long-lasting performance from each sensor.

**LONG LIFE BATTERY** - The OBi's reliable and changeable battery offers up to 10 years of reporting depending on the number of reports required per day.

**PROVEN WORLDWIDE** - OnePlus OBi's are deployed and operational in over 25 countries, with over 100 clients and monitoring up to a dozen material and liquid types.

**EASY INSTALL & RETROFIT** - Hand held and weighing just .25kg, the OBi is easily installed to containers with as few as one bolt, saving on deployment time and adding monitoring to your operation instantly.

**1 YEAR WARRANTY** - Although designed to operate without maintenance for many years, all OBi sensors are under warranty and guaranteed for 1 year

**WIRELESS GSM\_GPRS** - Communicating to the OnePlus platform through GPRS over GSM, the OBi has an internal antenna and sim card which report at configured intervals over both 2g and 3g networks globally.

**APPLICATIONS** - The OBi sensor has been developed especially for monitoring the fill- levels (and more) of a vast range of fluid tanks and waste recycling containers including: Fuel tanks, General Waste, Clothing, Textiles & Books, Waste Oil & Yellow Grease, Glass, Organic Waste, Biomass, Underground and Vertical Containers.

## Technical Specifications (see UBi User Guide)

<b>BATTERY TYPE</b>	One 3.6V C Cell Lithium Thionyl Chloride (6.5 Ahr capacity)
<b>BATTERY LIFE</b>	5 years. Up to 10 years, depending on local cellular coverage. Note 1
<b>OPERATING TEMPERATURE</b>	-30°C to +70°C
<b>DIMENSIONS</b>	82 x 65 mm 3.2 x 2.6 inches
<b>WEIGHT</b>	0.25kg
<b>ENCLOSURE</b>	IP66 Weather proof, non-corrosive PA66
<b>STANDARD THREAD MOUNT</b>	1 inch NPT (see accessories for use with other threads)
<b>COMMUNICATION</b>	GPRS over GSM (Quad band – 850/900/1800/1900 MHz). Internal SIM card. No user accounts required. UMTS/HSPA 850/1900MHz for U.S. 3G.
<b>ANTENNA</b>	Internal or external as required.
<b>SHOCKS</b>	100g each Axis (EN 60068-2-27/F4)
<b>IMPACT</b>	IK10 (EN 50102/F4)
<b>CE CERTIFICATION</b>	CE 0980 Articles 3.1(a)(b), 3.2 (inside) (EN 60950-1: 2006, EN 301489-1/-7, EN 301511)
<b>FCC COMPLIANCE</b>	FCC ID: UDV-0912142009007 (inside)
<b>REPORTING SCHEDULE</b>	Configurable via OnePlus platform. Note 2