



# DATASHEET



**EYEFI™ Sensor:** industrial-grade fill-level monitoring device for use in a variety of applications such as roadside stormwater pits, public space waste bins, commercial and bulk bins, water tanks and much more. Using advanced algorithms and multiple network communications options, EYEFI Sensors are designed for use in harsh environments and provide excellent endurance and performance capabilities.

## EYEFI Sensor

EYEFI Sensors connect and deliver data to EYEFI Cloud; a centralised and secure web application that provides end-users with management and control over their EYEFI Sensor network, using a simple to use dashboard style user interface.

EYEFI Sensor 3.0 is suitable for a wide variety of applications, including **Monitoring water levels** in roadside stormwater pits to warn response crews before inundation occurs and **fill level monitoring and analysis of waste levels** to remove unsightly overflowing public space and commercial bins.

## Features

- distance/level sensing
- temperature sensor (device)
- Battery operation of 3-5 years\*
- NBloT and LTE CAT M1 (Australia and NZ) LoRaWAN, LoRa SPARK (NZ)
- Durable Polycarbonate case with elastomer rubber over-mold
- Advanced measurement and power management algorithms, industrial design and performance
- Adaptable, versatile technology

See *EYEFI Smart Waste, EYEFI Smart Drain and EYEFI Cloud brochures for more details at [www.eyefi.com.au](http://www.eyefi.com.au)*

## Tech-Specs

### Dimensions & Weight

Dimensions: 50mm(H) x 100mm(W)

Weight: 400g

### Environmental

IP rating: IP67

Operational temp: -20 - +60 °C

### Network connectivity

LoRaWAN™, LTE Cat M1<sup>1</sup>, NBloT<sup>2</sup>, LoRaWAN on Spark (NZ)<sup>3</sup>

**Compliance:** MuRata radio (cellular): RoHS directive, 3GPP Release 13, Carrier Certificate: PTCRB (5.38), GCF (3.73). Regulatory Certificate: FCC/IC: HSW-TY1SC, ETSI: EN 301 489-1 and EN 301 908-1, TELEC: 003-180242. MuRata radio (LoRa): RoHS directive

The information provided contains only general descriptions of the device specifications and may change as a result of the environment in which the device is installed, the configuration and use-case parameters as defined by the user, or as a result of ongoing development of the device and cloud software. We recommend that prospective customers trial a device(s) in their specific application to satisfy yourself that the device is fit-for-purpose. EYEFI or our reseller partners will provide specific information as part of the terms of contract. **Note**<sup>1</sup> due for launch in Oct 2020. **Note**<sup>2</sup> due for launch in Sept 2020, subject to change. **Note**<sup>3</sup> due for launch in Nov 2020. **Battery life**\* will vary greatly depending on environment, temperature, communications network type and signal strength at a given location, and is provided as a guide only. Tested on Telstra and Spark NZ networks.

These **Notes** may change please see [www.eyefi.com.au](http://www.eyefi.com.au) for the latest information.

### Distance Measurements

Range: 3cm - 400cm

Accuracy: Typ. +/- 3cm

### Power Supply

Type: 2 x 3.6V Lithium 7000mAh (ER18505M)

### Physical characteristics

Body: Polycarbonate/elastomer rubber over-mold