



## Bluetooth® Low Energy Beacon LOC 01 HC W/ INDIV. MAJOR ID

- Compatible with Bluetooth® Low Energy from version 4.0
- Range inside buildings up to 30 m, outdoors up to 200 m (Geolocation)
- Possibility to change important operating parameters "over the air"
- Open firmware for individual BLE profile development (TI CC2541)
- UV-resistant housing according to IP64 (can also be used outdoors)

Loc 01 HC, Rugged/Industrial



### Function

The rugged, industrial Bluetooth® Low Energy beacon Loc 01 can be mounted directly to a suitable surface or easily adapted to the optional mounting plate, which facilitates battery replacement of the beacon. The Bluetooth Low Energy standard makes the beacons compatible with today's popular smartphones and tablets. They can be detected by these devices from a distance of up to 200 meters (outdoors). The beacon signals can be interpreted by the mobile device through custom applications, interacting with the user or other programs.

With the "Unique Front Label Service" option, a unique major/minor ID is applied to the front label of the beacon. This ID is also sent digitally via the protocol.

This makes identifying the beacon much easier, especially when planning an installation with a large number of devices.

iBeacon sensors create a small, concentrated area of detection. Within the transmission zone, customized notifications can be sent to iBeacon-enabled apps on iPhone, iPad, or Apple Watch devices that support current Bluetooth technology. Customers can be alerted to everything from special offers and discounts to personalized messages and details about a display.

### Technical Data

General specifications	
Color	black
Electrical specifications	
Battery type	2x Saft, LS14500 3.6 V, 2600 mAh AA / Mignon / R6 Li-SOCI2
Operating duration	approx. 4 years in continuous operation with factory setting
Interface	
Interface type	Bluetooth® Low Energy (from 4.0)
Transmitter frequency	1000 ms
Transmitter radiated power	max. 8 dBm
Detection range	30 m range in buildings, max. 200 m outdoors
Protocol	iBeacon (UUID, Major ID, Minor ID, RX Power)
Approvals and certificates	
CE conformity	CE0102
Ambient conditions	
Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-30 ... 30 °C (-22 ... 86 °F)
Mechanical specifications	
Degree of protection	IP64
Mass	approx. 180 g (including batteries)
Dimensions	
W x H x D	111 mm x 102 mm x 48 mm
General information	

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## Technical Data

Note	Use of the Works with Apple iBeacon badge means that a product has been designed and certified by the manufacturer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this product with iPod, iPhone, or iPad may affect wireless performance.
Scope of delivery	Loc 01 HC Batteries Documentation

## Accessories

Accessories for this product can be found on the internet at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).