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# Bluetooth Beacon Datasheet

**Model: HY-BC02L**

**Version: V1.0**

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HY-BC02L Bluetooth beacon is developed based on Dialog DA14531 chip, BLE 5.1 iBeacon.

HY-BC02L is long work time beacon, it equipped with ER14250 battery, which can be used for more than 5 years under the setting of 500ms broadcast frequency, which can greatly reduce maintenance costs.

HY-BC02L support IP67 waterproof, and is widely used in indoor positioning, indoor navigation, scenic area navigation, exhibition navigation, social sign-in, advertising push, asset management, item tracking, patrol check-in and other program applications.

### HY-BC02L Parameter:

Physical characteristics	
Model	HY-BC02L
Case Material	ABS
Color	White
Size	φ55.8*23mm
Product Weight	33.6g
Battery	ER14250
Waterproof Grade	IP67
Technical Parameter	
Bluetooth Version	BLE 5.1
TX Power Range	-19.5~+2.5 dBm (Default: +2.5dBm)
Broadcast Interval	100ms~10000ms (Default: 500ms)
Max Work Range	120m (in open air)
Broadcast Data Format	iBeacon
Support System	IOS 7.0+; Android 4.3+
Default Parameter Setting	
Advertise Interval minimum	500ms
Advertise Interval maximum	500ms
Advertise Channel Map	Channels 37, 38, 39
Device Name	EW+MAC
Pass Word	12345F
TX Power	+2.5dBm
UUID	01122334-4556-6778-899a-abbccddeeff0
Major	Randomly generated
Minor	Randomly generated
Manufacturer ID	0X4C00
Calibrated RSSI	-61dBm