

## BR-1

### Bicycle-Mounted Digital Distance Measuring Device

BR-1 is a bicycle-mounted distance measuring device that can be used to measure the distance covered by cycling enthusiasts, but it can also be used in civil and road construction, land surveys and many other personal and professional applications. Note that the bicycle fork should be of the type intended for using disc brake, i.e. it has to be equipped with the fixtures for mounting the disc brake caliper.

BR-1 distance meters can be used to measure the total covered distance and view length of individual segments by including both odometer and segment length readings. Rectangular area can be calculated by a simple push of a button. When the user has exceeded the intended target endpoint, and wants to remove part of the recently covered distance from the measurements, he or she simply has to walk or cycle the digital distance measuring device backwards, and the reversed distance will be subtracted from the original results.

The measurement results can be viewed on the LCD screen of the product's electronic unit. The measurement data is stored in the device memory and can later be transferred to a computer via Bluetooth interface.

The electronic unit of the distance meters is very energy efficient and one battery will generally last the user through a whole season, which reduces need for regular maintenance of the device. The electronic unit will automatically turn off after the device has not been used for a certain amount of time.

Englo's digital distance measuring devices are rated IP65 under the international IEC 60529 standard and are splash and dust proof, and as such can be used in rainy weather or go through puddles.

#### BR-1 Features and Benefits

- Lightweight bicycle-mounted
- Segment length and odometer readings
- Area calculation for rectangular surfaces
- Correction for exceeded target measurement endpoints
- Energy efficient
- Electronic unit with LCD screen
- Computer connection via Bluetooth

Parameter	Units	Value
Measuring unit	cm	5
Wheel diameter	cm	34
Measuring accuracy	%	+/- 1
Measuring distance	m	Up to 19,999
Measuring area	m <sup>2</sup>	Up to 19,999
Maximum measuring speed	km/h	50
Power supply	V	9 (PP3 alkaline battery)
Operating temperature	°C	-10 to +40, at 100% relative humidity