

# RealTrac Bradz

## Description and intended use

**RealTrac Bradz** (bracelet for supervised persons) is the device rigidly fixed on human limb and allowing real-time determination of his/her location within the boundaries of a premise or territory.

Location is determined through distance measurements between RealTrac Bradz and the access points mounted within the perimeter of the supervised area prohibited for the man to leave, and being the links of the common positioning system RealTrac.

All data received from RealTrac Bradz and access points are processed by control server resulting in precise determination of supervised person's location accurate to one meter.



## Capabilities

Using the RealTrac Bradz it is not only possible to precisely determine the current location of supervised person, but to monitor the nature of his/her movements (moves rapidly, slowly, stands still, the device is not used and abandoned somewhere, etc.).

Besides, the Local Positioning System RealTrac is delivered with flexible reporting system, for instance you may track the whole history of man's movements within the set period of time.

Additionally, the standard delivery set of RealTrac Bradz includes alarm feedback button used for signal transmission to the system operator. If necessary, it is possible to individually set the operating mode for the button.

Individual device for monitoring of movements  
of supervised persons

## Operation and storage

RealTrac Bradz is produced in strict style of strong plastic, and is rigidly fixed on the bracelet. The device is put on supervised person's limb and fixed with the special lock.

The bracelet and lock design does not allow supervised person to independently get rid of RealTrac Bradz without device damage. In case of device removal through the bracelet cutting or the lock breaking the system operator will be immediately sent the alarm signal.

At the same time RealTrac Bradz is quite compact and will not sufficiently disturb the supervised person.

The device is completely dust and moisture proof.

## Advantages

RealTrac Bradz successfully performs its primary function – precisely determines location of supervised person in real time mode.

In combination with compact dimensions, design features and functional capabilities the RealTrac Bradz is the optimum and rational solution for configuring of location and movement monitoring systems at the facilities and in the premises where supervised persons are detained in custody and judged for custodial restraint.

The software of RealTrac System allows, if necessary, reproduction of all movements of the supervised person within the requested time period.

## Specifications

Parameter	RealTrac Bradz
Overall dimensions, mm	61x49x21.75
Weight, g	67
Bandwidth, GHz	from 2.4 to 2.48
Operating temperature range, oC	from -40 to +60
Dust and moisture proof (Ingress Protection)	IP 67
Operating radius from the access points, m	Up to 500
Positioning precision, m	Up to 1-2
Supply voltage, V	DC 4.8-5.5V/500mA
Battery, type, capacity	Rechargeable, Lithium-Polymer, 900mAh
Battery operation time, when locations are inquired several times per minute, h	Not less than 360
Recharge time, h	Up to 5
Multifunction key	Yes
Pressure gauge, accelerometer, gyroscope	Yes
Ankle or wrist fixation	Yes

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