

TWIG LOCATOR

GSM/GPRS +GPS

Preliminary datasheet

DIMENSIONS

Weight:	103g
Length:	75mm
Width:	45mm
Thickness:	26mm
Volume:	87cc

WIRELESS NETWORK STANDARDS ¹⁾

Tri-Band EGSM/GPRS 900/1800/1900Mhz
Tri-Band EGSM/GPRS 850/1800/1900Mhz
GPRS Multi Slot B Class 10
Compliant to GSM phase 2/2+
USSD
Output power
2W for GSM 850/900
1W for GSM 1800/1900

HARDWARE

Atmel AVR128

AUDIO

Internal microphone, listen-on function

ANTENNAE

GSM: Integrated
GPS: Integrated

GPS

12 channels high performance receiver
Frequency L1, 1575,42 MHz
Accuracy (Open sky)
Position ~5m, 95% of the time
Acquisition Rate (Open sky, receiver stationary)
Cold Start 45 s (typical)
Warm Start 38 s (typical)
Snap Start 2-8 s (typical)
Reacquisition 0,1 s (typical)
Advanced power saving methods

MEMORY

4 kb EEPROM

BENEFON

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BATTERY

Standard battery Li-Ion 1000 mAh
Optional battery³⁾ Li-ion 1700mAh
Stand-by time²⁾ up to 120 h
Listen-in time²⁾ up to 7 h
GPS op. Time²⁾ up to 85 h
Charging time < 2 h for 100%

CONTROLS

3 led indicators (GSM, GPS, Status)
3 pushbuttons (on/off, anchor & panic functions)

INTERFACE

External power supply
Programming

INTERNAL CONNECTIONS

For external GPS antenna
For external panic button
For external anchor tracking button

MAIN FEATURES

Theft and burglar alarm
Personal protection
Personal surveillance
Positioning
Anchor alarm and tracking



¹⁾ different versions; ²⁾ subject to local and network conditions, as well as applications running and required GPS performance;

³⁾ optional 1700 mAh battery sold as accessory