

## K2 SYSTEM SPECIFICATIONS

### GENERAL

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Satellites signals tracked  
*Measure refreshment*

GPS L1C/A-L2C, GLONASS L1OF-L20F, BeiDou B1-B2, Galileo E1B/C-E5b  
*Min 1 second - Max 30 seconds*

### GNSS TYPICAL PRECISION

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Real-time kinematic

Horizontal positioning – dry weather  
Vertical positioning - dry weather

10 mm (+1 ppm)  
10 mm (+1 ppm)

### DATA VISUALIZATION

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Data export format  
*Download options*  
Historical data downloadable  
*Project setup and visualization*  
Projection  
*Data provided*

CSV  
*Manual, Automatic (FTP, HTTPS)*  
Yes  
*Yes (definition of measured points, calculation frequency, etc.)*  
Geocentric, Lambert 93, Geographic, etc.  
*Dynamic Position, inclinometer, temperature*

## K2 HARDWARE SPECIFICATIONS

### GENERAL

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Satellites signals tracked	GPS L1C/A-L2C, GLONASS L10F-L20F, BeiDou B1-B2, Galileo E1B/C-E5b
<i>Channels</i>	184
Power consumption active mode	0.7 W
<i>Operating supply voltage</i>	DC 3,5 V – 14,5 V
Size	108mm x 109mm x 32mm
<i>Weight</i>	400 g
Power cable length	3 m
<i>Distance between fixed and mobile K2</i>	Up to 5 km
Warranty	1 year

### RADIO COMMUNICATIONS

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Protocol	Meshed Zigbee
<i>Radio frequency</i>	868 MHz
Channels	0 to 29 excluding 9 & 24 (in accordance with ETSI EN 300 220-2 V3.1.1)
Power	2 mW - 32 mW
Sensitivity	-100 dBm
<i>Bluetooth</i>	Yes

### ABSOLUTE MAXIMUM RATINGS

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Ingress protection rating	IP68
<i>Shock resistance</i>	IK6
Operating temperature range	-40°C to +65°C
<i>Storage temperature range</i>	-40°C to +80°C
Maximum number K2 in network	>500

### OPERATING CONDITIONS

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Positional dilution of precision	<5
<i>Stability zone around each K2</i>	>5 m
Cut-off angle	<15°