

Leica BLK2GO PULSE



Quick Guide

Version 1.0
English

Leica
Geosystems

1

Instrument Information



Read and follow the User Manual on the accompanying Leica USB documentation card before using the product or the accessories delivered with the product.



Keep for future reference!

Intended use

- Scanning structures.
- Measuring horizontal and vertical angles.
- Measuring distances.
- Capturing and recording images.
- Recording measurements.
- Computing with software.
- Remote control of product.
- Data communication with external appliances.



The product must not be disposed with household waste.

**Hazards of Use
For the AC/DC
power supply and
the battery charger**



WARNING

Unauthorised opening of the product

Either of the following actions may cause you to receive an electric shock:

- Touching live components .
- Using the product after incorrect attempts were made to carry out repairs.

Precautions:

- ▶ Do not open the product!
- ▶ Only authorised Leica Geosystems AG Service Centres are entitled to repair these products.



WARNING

Electric shock due to use under wet and severe conditions

If unit becomes wet, it may cause you to receive an electric shock.

Precautions:

- ▶ If the product becomes humid, it must not be used!
- ▶ Use the product only in dry environments, for example in buildings or vehicles.

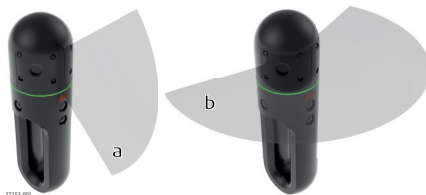


- ▶ Protect the product against humidity.

**Laser products and
location of laser
apertures**

The BLK2GO PULSE instrument contains the following laser products:

Laser product	Laser class	Classification
EDM (Electronic Distance Measurement)	Class 1	IEC 60825-1 (2014-05)



27153_001

a Vertical field of view of the laser beam 85°

b Horizontal field of view of the laser beam 210°

Conformity to national regulations

EU



Hereby, Leica Geosystems AG declares that the radio equipment type BLK2GO PULSE is in compliance with Directive 2014/53/EU and other applicable European Directives.

The full text of the EU declaration of conformity is available at the following Internet address: <http://www.leica-geosystems.com/ce>.

USA

FCC ID: RFD-BLK2GO

15 B/C

Changes or modifications not expressly approved by Leica Geosystems AG compliance could void the user's authority to operate the equipment.

Canada

CAN ICES-003 B/NMB-003 B

IC: 3177A-BLK2GO

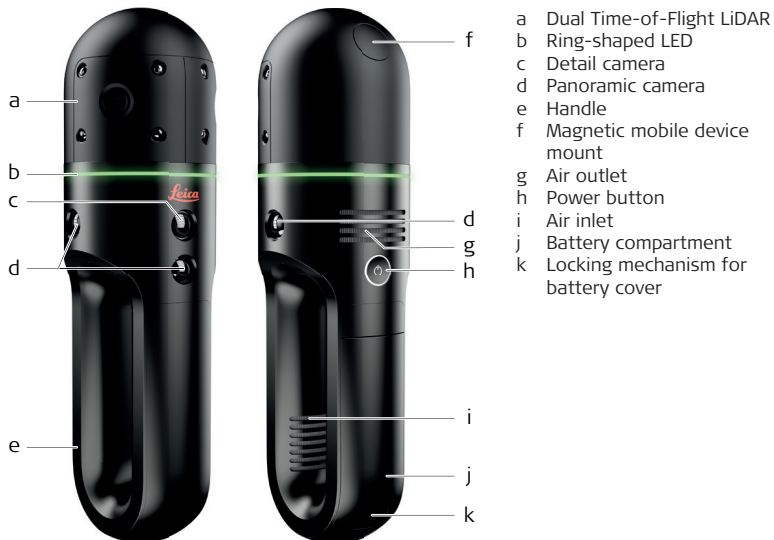
Others

The conformity for countries with other national regulations has to be approved prior to use and operation.

2

Instrument Components

Instrument components



Environmental specifications

Temperature

Type	Operating temperature [°C]	Storage temperature [°C]
BLK2GO PULSE	0 to +40	-25 to +70
Battery GEB821	0 to +50	-40 to +70
Multicharger GKL825	0 to +40	-40 to +70
AC/DC power supply	0 to +40	-40 to +70

Pollution degree

Type	Pollution degree
BLK2GO PULSE	4 Electrical equipment for indoor and outdoor use.
Battery GEB821	4 Electrical equipment for indoor and outdoor use.
Multicharger GKL825	2 Electrical equipment for office environment.
AC/DC power supply	2 Electrical equipment for office environment.

Protection against water, dust and sand

Type	IP Class
BLK2GO PULSE	IP54 (IEC 60529) Dust protected Betamesh BM90 – filtration level 69 µm Betamesh BM20 – filtration level 20 µm
Battery GEB821	IP54 (IEC 60529) Dust protected Protection against splashing water from any direction.
Multicharger GKL825	IPX0 (IEC 60529) Only operate in dry environments, for example in buildings and vehicles.
AC/DC power supply	IPX0 (IEC 60529) Only operate in dry environments, for example in buildings and vehicles.

Humidity

Type	Protection
BLK2GO PULSE	Max 95% non-condensing.
Battery GEB821	Max 95% non-condensing.
Multicharger GKL825	Max 95% non-condensing.
AC/DC power supply	Max 80% non-condensing.

Altitude

Type	Protection
BLK2GO PULSE	Unrestricted
Battery GEB821	Unrestricted
Multicharger GKL825	≤2000 m
AC/DC power supply	≤2000 m

Lighting

Type	Lighting
BLK2GO PULSE	Fully operational at daylight. Avoid direct, bright sunlight and poorly lit, dark areas.

Sound Level

Type	Value
BLK2GO PULSE	< 70 db(A)

4

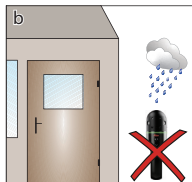
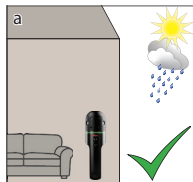
Care and Transport

Care and transport

Carry the product in its original container to protect the product against shock and vibration and to protect the Dual Time-of-Flight LiDAR against scratches.

Field check

Periodically carry out test measurements, particularly after the product has been dropped, stored for long periods or transported.

Ambient conditions

- a Shield the BLK2GO PULSE from direct sunlight and unfavourable weather.
- b If the Dual Time-of-Flight LiDAR is exposed to rain, scanning is not possible.

5

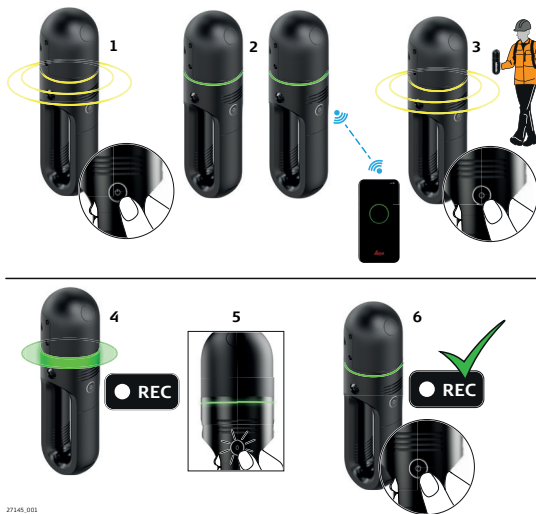
Operation

Getting started



The battery must be charged before using it for the first time.

Operation, step-by-step



- 1 Turning on/Booting
- 2 Ready to start operation (stand alone or with connected device)
- 3 Start the scan/initialising
- 4 Initialised/recording data
- 5 Click on power button to take a picture with the detail camera
- 6 Press power button to stop recording data

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988944-1.0.0en

Original text (988944-1.0.0en)

Printed in Switzerland

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