Teslascope® / Teslascope® Pulse

Operating instructions

Read the instructions prior to performing any task!!

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witschi
LEADING SWISS PRODUCTS

Original manual
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About these operating instructions

These instructions enable the safe and efficient use of the Teslascope / Teslascope Pulse. The instructions form an integral part of the device and must be kept nearby so that they are accessible to staff at all times.

Personnel must have read and understood this manual carefully before commencing any work. Compliance with all the safety and warning notices and operating instructions set out in this manual is a fundamental prerequisite for safe working.

In addition, local health and safety regulations and general safety provisions applicable to the area of use of the Witschi Teslascope apply.

Illustrations in this manual are intended to aid general understanding and may differ from the actual design.

Copyright

Customer service

Your local dealer is available to provide technical information. You can find your nearest dealer on our website.

https://www.witschi.com/kontakt/standorte/

We are also always interested in information and experiences arising from the use of our products that may be valuable for their improvement.

Customer service information

Address	Witschi Electronic AG Bahnhofstrasse 26 3294 Büren an der Aare Switzerland
Telephone	+41 32 352 05 00
Fax	+41 32 351 32 92
Email	service@witschi.com
Website	www.witschi.com

NOTE!

The original text of these instructions is written in German.

The translations are provided for information purposes only. In case of doubt, the German version shall prevail.

Table of contents

1 Product description

1.1 Versions

There are two possible versions of the Teslascope:

- **Teslascope®**
- **Teslascope® Pulse**

The Teslascope Pulse version offers the widest range of functions.
All functions are described in the operating instructions. Differences between the two versions are indicated by (Teslascope Pulse).

Description	
	The Teslascope is the indispensable benchtop device for detecting and removing magnetism from watch movements and mechanical watches. Thanks to its 'one-shot' demagnetisation technology, a single movement in a single position is sufficient to effectively demagnetise the entire movement – regardless of whether it is disassembled or still in its case.
	Invisible yet formidable magnetism can significantly impair the precision of watches. The Teslascope targets sensitive components such as the balance wheel and restores their optimal function in a matter of seconds, without endangering the watch movement.
	The Teslascope is small, light and handy, and fits perfectly on any watchmaker's workbench. Its ergonomic design and reliable technology make it an everyday ally, both for professionals in workshops and for discerning customer service staff.
	(Teslascope® Pulse) The Bluetooth function allows connection to a smartphone or tablet. Measurement results can thus be conveniently displayed, saved or printed via an app.

Connections and interfaces

Fig.1: Rear view; USB-C socket

No.	Designation	Function
1	Type plate	Identification of the device (page 11)
2	Power supply	Mains connection via USB-C socket
3	Quick Start Guide	Sticker with quick start guide on the underside of the device
4	Bluetooth interface	Built-in Bluetooth module for connecting to a tablet or smartphone (iOS / Android)

1.2 Teslascope®

Overview

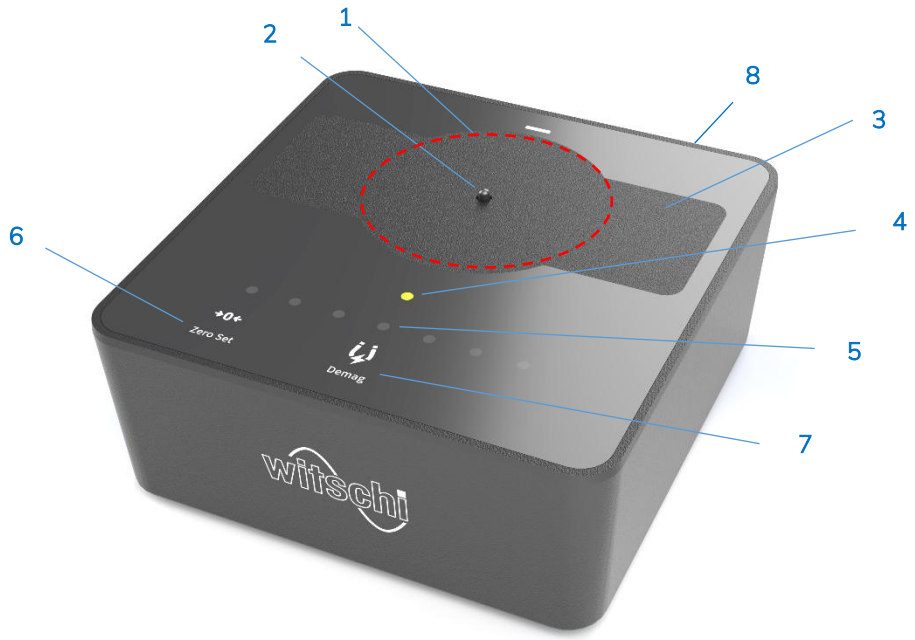


Fig.2: Teslascope® Pulse

No.	Description	Function
1	Magnetic field sensors	• For magnetic field measurement: - green/yellow/orange/red LEDs on the device (No. 5) - Magnomap on the app (Teslascope Pulse only)
2	Signal pickup area	• For acoustic walk-through measurement (Teslascope Pulse only)
3	Watch rest	• Surface that does not scratch the treated object
4	Signal LED	• Acoustic indication of the signal receiver
5	Control / status LEDs	• Indicator for the strength of magnetisation / demagnetisation
6	Zero Set	• Zero setting button for subtracting the Earth's magnetic field. **This button must be pressed before each measurement, with the watch not attached!**
7	Demag	• Touch button for demagnetisation
8	Power supply	• Mains connection via USB-C socket

1.3 Contents and accessories

1.3.1 Contents

Fig.1 : Scope of delivery

No.	Description	Function	For details, see
1	Teslascope® / Teslascope® Pulse		
2	USB cable	Connection to the power supply	USB 3.1 Type-C to Type-C cable, 1 m, shielded
3	Power supply	Connection to the power supply	AC/DC adapter USB C 5V 15W

InFig.1 Not shown, but included in the scope of delivery:

- 1 Supplementary sheet on safety regulations and warranty information
- Quick Start Guide with QR code for the App Store / Google Play (Bottom of device)

Power supply

Fig.2 : Power supply

IMPORTANT!
We strongly recommend using only the power supply unit supplied.

The Teslascope is connected to the mains supply using the power supply unit (Fig.2).

NOTE!
If a power supply that is too weak (below 5 V, 1.5 A) is connected to the device, all seven LEDs flash red several times during the demagnetization process.

- This means, connect the supplied power supply with at least **5 V, 1.5 A.**

Ordering
To order accessories or spare parts, please contact your local dealer (page3).
You can find your nearest sales outlet on our website "*https://www.witschi.com/kontakt/standorte/*".

1.4 Technical data

Configuration

Unit	Model No.	Remarks
measuring instrument/device: Teslascope® Teslascope® Pulse	 26.76PK1 26.75PK1	
Mains adapter	JA01-90-264V/5V/15W USB C	AC/DC adapter USB C 5V 15W

Power supply

Parameter	Rated value	Range	Remarks
Rated voltage	100 – 240 VAC	90 – 264 VAC	
Mains frequency	50 / 60 Hz	47 – 63 Hz	
Current, operating	8 W		without connected devices
Standby mode	0.95 W		

Communication interface

Designation	Purpose
1 x USB-C	Device power supply
Bluetooth module	Connection to tablet / smartphone (Teslascope Pulse app)

Dimensions and weight

Specification	Value	Unit
Weight	1.1	kg
Width	112	mm
Height	45	mm
Depth	112	mm

Mains power rating

Specification	Value	Unit
Mains voltage	100 – 240	VAC
Mains frequency	50 – 60	Hz
Power consumption in operation	8	W

Power supply output

Specification	Value	Unit
Voltage	5	DC
Current	3	A
Power	15	W

Operating conditions

Specification	Value	Unit
Temperature range	+10 ... 40°	°C
Relative humidity, maximum	max. 80	%, non-condensing

Teslascope® type plate

Fig.3 : Teslascope® type plate

The Teslascope nameplate is located on the underside of the device and contains the following information:

- Manufacturer
- Device designation
- Type
- Serial number
- Year of manufacture

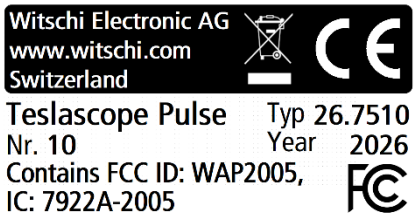


Fig. 6: Teslascope® Pulse type plate

- Manufacturer
- Device name
- Type
- Serial number
- Year of manufacture
- FCC ID

2 Safety

This section provides an overview of all important safety aspects for the protection of persons and for safe and trouble-free operation. Further task-specific warnings are included in the sections covering the individual life cycles.

2.1 Symbols in this manual

Safety and warning notices

Safety and warning notices are indicated by symbols in this manual. The safety and warning notices are introduced by signal words that indicate the severity of the hazard.

CAUTION!
This combination of symbol and signal word indicates a potentially dangerous situation which may result in minor or slight injury if not avoided.

NOTE!
This combination of symbol and signal word indicates a potentially dangerous situation which may result in property damage if not avoided.

ENVIRONMENTAL PROTECTION!
This combination of symbol and signal word indicates potential hazards to the environment.

Warnings in instructions

Warnings may refer to specific, individual instructions. Such warnings are incorporated into the instructions so that they do not interrupt the flow of reading whilst carrying out the task. The signal words described above are used.

Example:

Tips and recommendations

This symbol highlights useful tips and recommendations, as well as information for efficient and trouble-free operation.

Other markings

The following markings are used in this manual to highlight instructions, results, lists, references and other elements:

Marking	Explanation
1., 2., 3. ...	Step-by-step instructions
⇨	Results of action steps
	References to sections of this guide and to relevant documents
	Lists in no particular order
[Button]	Controls (e.g. pushbuttons, switches), display elements (e.g. indicator lights)
"Button"	Screen elements (e.g. window labels, buttons)

2.2 Intended use

Intended use also includes compliance with all information in this manual.
Any use beyond the intended use or any other form of use is considered misuse.

NOTE!

Danger in the event of misuse!

Misuse of the Teslascope may result in damage to property.

- Under no circumstances should the device be dismantled by the user.
- Only operate the device on a stable and level surface.
- Never set up or operate the Teslascope in an environment where there is a risk of explosion.
- Do not expose the device to direct sunlight or extreme temperatures.
- Place the device in a quiet environment to prevent the readings from being distorted.
- If the glass is cracked or broken, it must not be reused under any circumstances. The device must be sent in for repair.

2.3 Markings on the device

2.3.1 Markings on the power supply unit

Electrical and electronic components

The following markings are located on the power supply unit.

The power supply unit must not be disposed of with household waste, but must be handed in at local collection points or disposed of by a specialist company.

2.3.2 Risk of damage to property

Short circuit

NOTE!

Property damage due to a short circuit!

Damage to the insulation of the power supply cable or the power supply unit can lead to a short circuit and damage the Teslascope.

- Work on the Teslascope's electronics must only be carried out by customer service.
- If the power supply cable or the power supply unit is damaged, unplug the power supply unit and arrange for it to be repaired.
- Route the power supply cable so that it cannot be damaged by external factors.
- Unplug the power supply before carrying out any cleaning, maintenance or troubleshooting work.
- When unplugging the power supply, pull only on the plug, never on the power supply cable.
- Always ensure the mains socket is easily accessible.
- Keep moisture away from live parts. This can lead to a short circuit.
- Never immerse the device in water.

Opening the housing

NOTE!

Risk of damage to property when opening the housing!

Opening the housing may damage components inside the device or the housing itself.

- Never open the device housing yourself.
- In the event of faults or problems that cannot be resolved using the manual, contact the manufacturer.

Opening the housing will invalidate the warranty.

2.4 Operator's responsibilities

Operator's obligations

The device is intended for commercial use. The operator of the device is therefore subject to statutory occupational safety obligations.

In addition to the safety and warning instructions in this manual, the safety, occupational health and environmental protection regulations applicable to the device's area of use must be observed.

In particular, the following applies:

- The operator must familiarise themselves with the applicable occupational safety regulations and, as part of a risk assessment, identify any additional hazards arising from the specific working conditions at the site where the device is used. They must implement these in the form of operating instructions for the device.
- Throughout the entire period of use of the device, the operator must check whether the operating instructions they have drawn up comply with the current regulations and, if necessary, amend them.
- The operator must ensure that all persons handling the equipment have read and understood these instructions. Furthermore, they must train staff at regular intervals and inform them of the hazards.
- The operator must ensure that the maintenance intervals described in these instructions are adhered to.
- The operator must ensure that the maintenance intervals for the components are adhered to.

2.5 Staff Qualifications

This manual requires the operator to have the following qualifications:

Operator

The operator of the device possesses the necessary knowledge and training in the handling of watches. Furthermore, the operator has been instructed by the operator regarding the tasks assigned to them and the potential hazards associated with improper behaviour. The operator may only carry out tasks that go beyond normal operation if this is specified in these instructions and the operator has expressly entrusted them with such tasks.

Witschi Customer Service

Certain work may only be carried out by Witschi Customer Service. The Customer Service team has received comprehensive training in all work on measuring instrument/devices.

Work for which Customer Service is required must not be carried out by unauthorised personnel. If such work is required, contact the manufacturer's Customer Service.

2.6 Bluetooth Safety Regulations (FCC ID Standard)

The FCC ID is a unique code assigned to electronic devices by the FCC in the United States. This code is used to identify and certify that the device meets the necessary regulatory standards for wireless communication.

UNITED STATES (FCC), Canada – ISED (Industry Canada)

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device must not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

Contains FCC ID: WAP2005, IC: 7922A-2005

2.7 Note on electromagnetic fields

This device generates pulsed magnetic fields of up to 100 mT at a frequency of 700 Hz.
The decay time of a pulse is 45 ms.

To ensure safe use of the device, the following minimum distances must be maintained:

- A minimum distance of 40 cm for all users
- A minimum distance of 1 m for people with active or passive implants (e.g. pacemakers, ICDs, neurostimulators, metallic implants)

Pulsed magnetic fields can induce electric currents in tissue and conductive materials.
To avoid risks:

- Do not operate the device near magnetic data storage media or sensitive sensors.
- Do not place ferromagnetic tools or objects within the range of the magnetic field.
- Observe national and international EMF safety guidelines, in particular the
  ICNIRP guidelines for time-varying magnetic fields, as well as occupational and implant-related safety requirements in accordance with NIST and DGUV specifications.

The manufacturer recommends that the device should not be used by persons with electronic implants or implanted metal parts.

3 Storing the Teslascope®

3.1 Safety during delivery and storage

Improper transport

CAUTION!

Risk of injury and damage to property due to improper transport!

If transported incorrectly, the device may fall or tip over. This could result in injury or significant damage to property.

Always transport packages in an upright position and never throw them.

Do not remove the packaging until just before commissioning.

Always carry the device with both hands.

3.2 Delivery

The Teslascope is delivered by a local logistics company. All components included in the scope of delivery are supplied together in a single package.

3.3 Transport inspection

Check the delivery immediately upon receipt for completeness and transport damage.

If there is any visible transport damage, proceed as follows:

- Do not accept the delivery.
- Note the extent of the damage on the carrier's delivery note.
- Submit a complaint.

Report any defect as soon as it is detected. Claims for compensation can only be made within the applicable complaint periods.

For detailed information, please refer to the General Terms and Conditions of Witschi Electronic AG, which you can view on our website.
https://www.witschi.com/en/agb/

3.4 Storage

Store the device and packages under the following conditions:

- Teslascope is out of service (page 27).
- Do not store outdoors.
- Store in a dry, dust-free place.
- Do not expose it to corrosive substances
- Protect from direct sunlight.
- Avoid mechanical shocks.
- Do not place anything on top of the device's packaging.
- Storage temperature: -20 °C – +70 °C
- Relative humidity: 10% – 80%, non-condensing.

4 Commissioning the Teslascope®

4.1 Site requirements

Distortion of results

NOTE!

Test results may be distorted by an unsuitable location!

To ensure accurate test results, the following requirements must be met:

- Do not place the Teslascope or the test object near radiators or open windows.
- Operate the Teslascope on a flat, horizontal surface.
- Set up the Teslascope in a quiet environment.

4.2 Connect the power supply

Use a suitable power supply

NOTE!

Risk of property damage due to the use of an unsuitable power supply!

Using an unsuitable or damaged power supply unit can lead to a short circuit. This may damage the device.

- Only use the power supply unit supplied.
- Route the power supply cable so that it cannot be damaged by external factors.

Check the mains voltage

Personnel: Operator

1. Ensure that the local mains voltage matches that of the power supply unit.
2. Connect the power supply to the mains socket (Fig. 7) using a USB-C cable.
3. Connect the power supply to the local mains supply.
   ⇨ Power is now supplied and the Teslascope is switched on.

Fig. 7: Mains connection

NOTE!

If a power supply that is too weak (below 5 V, 1.5 A) is connected to the device, all seven LEDs flash red several times during the demagnetization process.

- This means, connect the supplied power supply with at least **5 V, 1.5 A.**

4.3 Switching the Teslascope® on/off

Switching on the Teslascope

Staff:
- Operator

Prerequisite:
The Teslascope has been correctly commissioned (page19).

▶ The Teslascope switches on automatically.

⇨ An automatic zero set is performed during the start-up process. This process takes 2 seconds.
The device must not be moved during this process!

A zero set must always be performed without a watch attached!
The zero set function measures and eliminates the Earth's magnetic field from the measurement.

⇨ When the green indicator LED lights up, the device is ready for use.

Switching off the Teslascope

Staff:
- Operator

▶ The Teslascope is switched off by disconnecting the USB cable.

If the Teslascope is not going to be used for a prolonged period, take it out of service (page27).

5 Performing demagnetisation with the Teslascope®

Fig. 8: Zero Set, without a watch placed on it

- ▶ Press the “Zero Set” button. (without a watch attached)
  - ⇨ The LED flashes white briefly.
  - ⇨ The Teslascope is ready

Fig. 9: Place the watch correctly

- ▶ Place the watch
  - ⇨ With the crown against the label (see blue arrow, Fig. 8)
  - ⇨ If the watch were magnetised, the current degree of magnetisation would be indicated by yellow, orange or red LEDs.
- ▶ Press the “Demag” button.
  - ⇨ Blue LEDs indicate the demagnetisation process.
  - ⇨ Important! Do not move the watch whilst the blue LEDs are lit.
- ▶ Green LED lights up
  - ⇨ Demagnetisation complete
  - ⇨ Note!
    An audible beep sounds at the end of demagnetisation. This is normal and indicates that the process is complete.

4 LED colour levels for magnetisation strength
1 green LED = no / normal magnetisation
3 yellow LEDs = weak magnetisation
5 orange LEDs = medium magnetisation
7 red LEDs = strong magnetisation

NOTE!
If the LEDs are still red, orange or yellow after demagnetisation (indicating a very strong magnetic field), the watch can be rotated to the (DD, dial down) or (DU, dial up) position and demagnetised again.

6 Teslascope® Pulse App

The Teslascope Pulse app is available for iOS and Android devices and displays a specific diagnostic information. It uses the Teslascope Pulse's built-in magnetic field sensor to display the degree of magnetisation. The watch's rate variation before and after demagnetisation can also be displayed.

Available:

Available on the App Store

GET IT ON Google Play

The Teslascope Pulse app offers two different user modes.

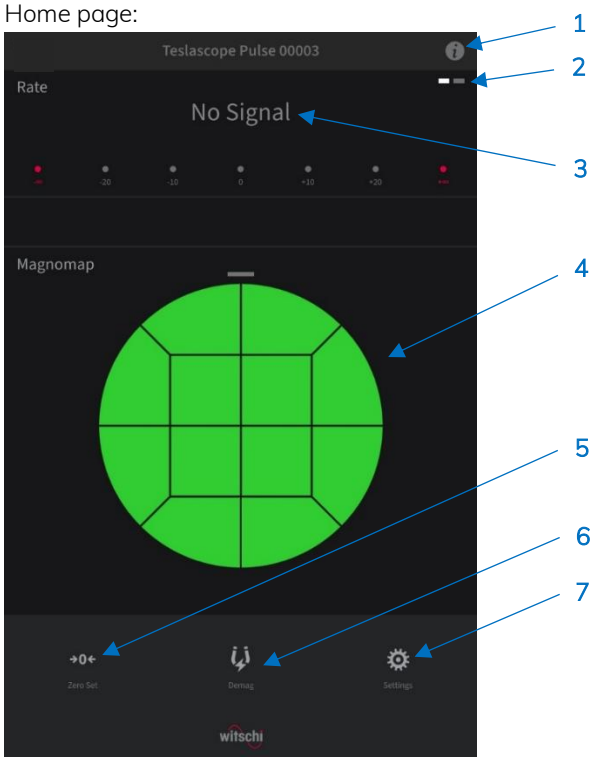
Direct analysis

- For quick manual demagnetisation without checking the rate.

Guided analysis

- Guided automatic test with rate measurement, demagnetisation and subsequent rate control measurement.
- Indication of whether further analysis of the watch is required.

Home page:



Function	Further information
Header: Info [1]	Device name with serial number QR code and link to further information in the manual
 [2]	Watch signal display
Rate [3]	Displays the current rate variation in s/d Display of the calculated beat numbers
Magnomap[4] Magnetic field display	12-sector display for changes in magnetism Yellow = weak magnetisation Orange = moderate magnetisation Red = strong magnetisation
Footer: Zero Set [5]	Zero setting button for subtracting the Earth's magnetic field. **Press the button before each measurement (without the watch attached).**
Footer: Demag [6]	Start button for demagnetisation and acoustic measurement
Footer: Settings [7]	Language: System language selectable between English, French and German User mode: **Direct analysis** - For quick manual demagnetisation without checking the rate **Guided analysis** - Guided automatic test with rate measurement, demagnetisation and subsequent rate control measurement - Indication of whether further analysis of the watch is required Magnetism unit: - µT (microtesla) or Gauss selectable. Devices: here you can change the connection to other Teslascopes. The following information can be found here: - Serial number of the Teslascope - Main unit version - W4 core version - Calibration date Teslascope Pulse app - App version information

6.1 Connecting the Teslascope® Pulse to the app

- Once you have downloaded the Teslascope Pulse app from the App Store / Google Play, you can connect the Teslascope Pulse to your tablet or smartphone via Bluetooth.
  - ⇨ Open the Teslascope Pulse app.
  - ⇨ Place the switched-on Teslascope Pulse near your tablet or smartphone.
  - ⇨ The Teslascope Pulse will automatically connect to the tablet or the Teslascope Pulse app, and the device is ready for use.

7 Perform rate measurement with demagnetisation using the Teslascope® Pulse app

Fig. 10: Positioning the watch correctly

- ▶ Place the watch
  - ⇨ With the crown against the label (see image)
  - ⇨ If the watch were magnetised, the current degree of magnetisation would be indicated by yellow, orange or red LEDs.
  - ⇨ The accuracy measurement starts automatically, and the current rate is displayed in the app.
  - ⇨ The magnetic field is displayed in real time in the Teslascope Pulse app.
- ▶ Tap the 'Demag' button.
  - ⇨ Blue LEDs indicate the demagnetisation process.
  - ⇨ Important! Do not move the watch whilst the blue LEDs are lit.
- ▶ Green LED lights up
  - ⇨ Demagnetisation complete
  - ⇨ Note!
    An audible beep sounds at the end of demagnetisation. This is normal and indicates that the process is complete.
- ▶ After demagnetisation, the accuracy measurement starts again.
  - ⇨ You can now check the rate variation following demagnetisation
  - ⇨ Note!
    If the rate variation is within an acceptable range, the demagnetisation was successful.
    Otherwise, the watch will need to be serviced.

4 LED colour levels for the strength of magnetisation
1 green LED = no / normal magnetisation
3 yellow LEDs = weak magnetisation
5 orange LEDs = medium magnetisation
7 red LEDs = strong magnetisation

NOTE!
If the LEDs are still red, orange or yellow after demagnetisation, the watch can be turned to the (DD, dial down) position and demagnetised again.

8 Teslascope® maintenance

8.1 Maintenance schedule

Interval	Maintenance work	Staff
Daily	• Clean the device with a microfibre cloth.	Operator
Annually	• Have the device calibrated.	Customer service

Calibration note

Fig. 11: Calibration label

Regular calibration of the device ensures the reliability of the measurement results.

It is recommended that the device undergoes calibration and a functional check **annually**.

9 Performing updates

9.1 Registering the Teslascope®

Registering the Teslascope

To access the Witschi service area and download the latest firmware version, register the Teslascope at the following address:

http://www.witschi.com "Log in" "Don't have an account yet?"

Once registration is complete, you can access the latest firmware under **My Products→ Downloads→ Firmware**.

9.2 Update the Teslascope® Pulse App

See the chapter 6.1 Teslascope Pulse App under the section: Check for updates after launch.

10 Error descriptions

- If you connect a power supply that is too weak (less than 5 V, 1.5 A) to the device, all seven LEDs will flash red several times during demagnetisation. This means: connect the supplied power supply, which must provide at least **5 V and 1.5 A.**

11 Teslascope® Decommissioning and disposal

Decommissioning

1. Unplug the USB-C cable from the Teslascope's power socket (Fig.).

2. Disconnect the USB-C cable from the mains adapter.
   ⇨ The Teslascope is now out of service.

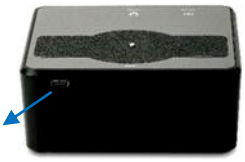


Fig. 12: Remove USB-C cable

Disposal

Unless a return or disposal agreement has been made, send the device for recycling.

ENVIRONMENTAL PROTECTION!

Danger to the environment due to incorrect disposal!

Incorrect disposal may pose a risk to the environment.

- Have the device disposed of exclusively by authorised specialist companies.
- If in doubt, contact your local authority or specialist waste disposal companies for information on environmentally sound disposal.

Electrical and electronic components

The appliance must not be disposed of with household waste but must be taken to municipal collection points or disposed of by a specialist company.

Appendix

A Declaration of Conformity Teslascope®

CE/UKCA-Konformitätserklärung

Déclaration de conformité CE/UKCA

Declaration of conformity CE/UKCA

witschi

DE | FR | EN

UK CA CE

Wir *nous* / We:	**Witschi Electronic AG** **Bahnhofstrasse 26** **CH-3294 Büren a.A.** **Schweiz / Suisse / Switzerland**

erklären in alleiniger Verantwortung, dass das Produkt

déclarons sous notre seule responsabilité que le produit

declare under our sole responsibility that the product

Bezeichnung *nom* / name	**Teslascope G3**
Typ-Nr.	**26.7610**
Fabrikations-Nr. *no. de série* / serial Nr.	**1 – 10'000**
Funktion *fonction* / function	**Entmagnetisiergerät für mechanische Uhren mit integrierter Magnetfeldmessung** *Appareil de démagnétisation pour montres mécaniques avec mesure magnétique intégrée* / Demagnetizing device for mechanical watches with integrated magnetic measurement
Dok-Verwaltung doc. management	Witschi Electronic AG, Roman Siegfried, Bahnhofstr. 26, CH-3294 Büren a.A.
Zertifiziertes QMS *Systèmes de QMS* Quality mgt. systems	SQS, ISO 9001:2015, Scope 19 / Reg. Nr. 12228

auf das sich diese Erklärung bezieht, mit den Bestimmungen der folgenden EG-Richtlinien übereinstimmt:

auquel se réfère cette déclaration, est conforme aux dispositions des directives CE suivants:

to which this declaration applies, is in conformity with the following EC-Directives:

Richtlinien / *Lignes directrices* / Guidelines

2011/65/EU	☒	RoHS-Richtlinien / *Directives RoHS* / RoHS Directive

Fachgrundnormen / *Normes génériques* / Generic Standards

EN 61326-1:2013 IEC 61326-1:2020 EN IEC 61326-1:2021	☒	Elektrische Mess-, Steuer-, Regel- und Laborgeräte – EMV-Anforderungen – Teil 1: Allgemeine Anforderungen / *Équipements électriques de mesure, de commande et de laboratoire – Exigences CEM – Partie 1 : Exigences générales* / Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements
EN 61000-6-3:2007 IEC 61000-6-3:2020 EN IEC 61000-6-3:2021	☒	Elektromagnetische Verträglichkeit (EMV), Störaussendung für Wohn- Geschäfts und Gewerbereiche sowie Kleinbetriebe / *Compatibilité électromagnétique (CEM), Norme sur l'émission pour les environnements résidentiels, commerciaux et de l'industrie légère* / Electromagnetic compatibility (EMC), Emission standard for residential, commercial and light-industrial environments
EN 61000-6-1:2007 IEC 61000-6-1:2016 EN IEC 61000-6-1:2019	☒	Elektromagnetische Verträglichkeit (EMV), Störfestigkeit für Wohn- Geschäfts und Gewerbereiche sowie Kleinbetriebe / *Compatibilité électromagnétique (CEM), Immunité pour les environnements résidentiels, commerciaux et de l'industrie légère* / Electromagnetic compatibility (EMC), Immunity for residential, commercial and light-industrial environments

Büren a.A., den 24.03.2026

Beat Mürner - CTO

Roman Siegfried - COO

Witschi Electronic AG | EG Konformitätserklärung_TeslascopeG3_dfe.docx | Form. F52.65 Konf-Erklrg Rel.13

B Declaration of Conformity Teslascope® Pulse

CE/UKCA-Konformitätserklärung

Déclaration de conformité CE/UKCA

Declaration of conformity CE/UKCA

witschi

DE | FR | EN

UK CA CE

Wir	**Witschi Electronic AG**
nous / We:	**Bahnhofstrasse 26** **CH-3294 Büren a.A.** **Schweiz / Suisse / Switzerland**

erklären in alleiniger Verantwortung, dass das Produkt

déclarons sous notre seule responsabilité que le produit

declare under our sole responsibility that the product

Bezeichnung *nom* / name	**Teslascope Pulse**
Typ-Nr.	**26.7510**
Fabrikations-Nr. *no. de série* / serial Nr.	**1 – 10'000**
Funktion *fonction* / function	**Entmagnetisiergerät für mechanische Uhren mit integrierter magnetischer & akustischer Messung, inkl. BLE** *Appareil de démagnétisation pour montres mécaniques avec mesure magnétique et acoustique intégrée et BLE* / Demagnetizing device for mechanical watches with integrated magnetic and acoustic measurement, including BLE
Dok-Verwaltung doc. management	Witschi Electronic AG, Roman Siegfried, Bahnhofstr. 26, CH-3294 Büren a.A.
Zertifiziertes QMS *Systèmes de QMS* Quality mgt. systems	SQS, ISO 9001:2015, Scope 19 / Reg. Nr. 12228

auf das sich diese Erklärung bezieht, mit den Bestimmungen der folgenden EG-Richtlinien übereinstimmt:

auquel se réfère cette déclaration, est conforme aux dispositions des directives CE suivants:

to which this declaration applies, is in conformity with the following EC-Directives:

Richtlinien / *Lignes directrices* / Guidelines

2014/53/EU	☒	Richtlinie über Funkanlagen / Directive concernant les équipements radio / Radio Equipement Directive RED
2011/65/EU	☒	RoHS-Richtlinien / *Directives RoHS* / RoHS Directive

Fachgrundnormen / *Normes génériques* / Generic Standards

EN 61326-1:2013 IEC 61326-1:2020 EN IEC 61326-1:2021	☒	Elektrische Mess-, Steuer-, Regel- und Laborgeräte – EMV-Anforderungen – Teil 1: Allgemeine Anforderungen / *Équipements électriques de mesure, de commande et de laboratoire – Exigences CEM – Partie 1 : Exigences générales* / Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements
EN 61000-6-3:2007 IEC 61000-6-3:2020 EN IEC 61000-6-3:2021	☒	Elektromagnetische Verträglichkeit (EMV), Störaussendung für Wohn- Geschäfts und Gewerbereiche sowie Kleinbetriebe / *Compatibilité électromagnétique (CEM), Norme sur l'émission pour les environnements résidentiels, commerciaux et de l'industrie légère* / Electromagnetic compatibility (EMC), Emission standard for residential, commercial and light-industrial environments
EN 61000-6-1:2007 IEC 61000-6-1:2016 EN IEC 61000-6-1:2019	☒	Elektromagnetische Verträglichkeit (EMV), Störfestigkeit für Wohn- Geschäfts und Gewerbereiche sowie Kleinbetriebe / *Compatibilité électromagnétique (CEM), Immunité pour les environnements résidentiels, commerciaux et de l'industrie légère* / Electromagnetic compatibility (EMC), Immunity for residential, commercial and light-industrial environments
ETSI EN 301 489-1 V2.2.3	☒	Breitband-Übertragungssysteme 2.4GHz / systèmes de transmission à large bande / Wideband transmission systems 2.4GHz
ETSI EN 301 489-17 V3.2.4	☒	EMV-Norm für Funkgeräte und -dienste / *Norme CEM pour les équipements et services radio* / Electromagnetic compatibility (EMC), standard for radio equipment and services

Büren a.A., den 24.03.2026

Beat Mürner - CTO

Roman Siegfried - COO

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