## Quick Reference

# Home/Measurement Screen



Measurement Series Number

Active Measurement Angles

Measurement Mode

Status Icons
Bluetooth®/Power

Unit

Measurement Results

Measurement Number

**C zehntner**
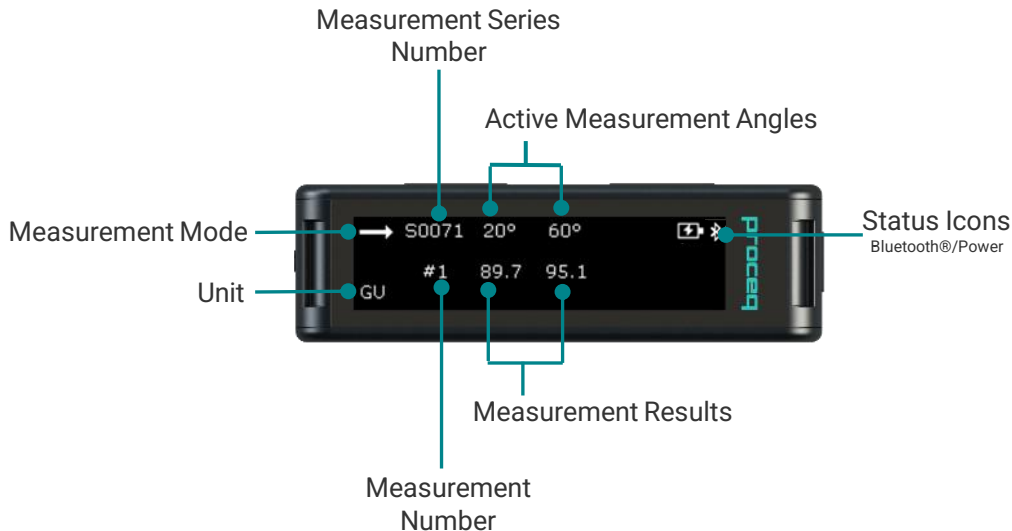
| | | |
|---|---|---|
| ▪▪▶▪▪ | **Measurement Mode Settings** | Configuration of measurement mode<br>Single, Measurement (Time), Scan |
| ◁ | **(Measurement) Angle Settings** | Configuration of measurement angles<br>20° and/or 60° |
| ✳ | **Verification and Adjustment** | Start Verification<br>Start Adjustment |
| ▤ | **Unit Settings** | Configuration of measurement units<br>GU or % |
| ⬜ | **Display Settings** | Configuration of display orientation<br>Left-Hand Mode<br>Right-Hand Mode |
| ◔ | **Memory** | Clear Memory |
| ⓘ | **Information** | Show Device Information |

# Buttons - Overview



**Device OFF**

| | |
|---|---|
| **Short** push | Power ON |

**Home, Measurement Screen**

| | |
|---|---|
| **Short** push | Call Main menu |
| **Long** push (2s) | Laser on/off |
| **Very Long** push (5s) | Power off |

**Menu**

| | |
|---|---|
| **Short** push | Scroll down |

**Home, Measurement Screen**

| | |
|---|---|
| **Short** push | Measurement > Statistics1 > Statistics2 > All Measurements |
| **Long** push (2s) | Start new series (= ends current series) |

**Menu**

| | |
|---|---|
| **Short** push | Enter Select/Deselect |

**Home, Measurement Screen**

| | |
|---|---|
| **Short** push | Measure (Single) Start/Pause measurement |

**Menu**

| | |
|---|---|
| **Short** push | Confirm and go to Home/Measurement screen |

# Menu - Navigation

**HOME/MEASUREMENT Screen**

**MAIN MENU**

## Sampling Settings

De/Selec — De/Selec — De/Selec — MAIN MENU

## Angle Settings

On/Off — On/Off — MAIN MENU

20° — 60°

## Verification & Adjustment

Start — Start — Select — MAIN MENU

## Unit Settings

De/Selec — De/Selec — MAIN MENU

GU — %

## Display Settings

De/Selec — De/Selec — MAIN MENU

## Memory

Start — MAIN MENU

Clear Memory

## Information

MAIN MENU

HOME/MEASUISREMENT
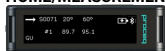
Back to HOME/MEASUREMENT

# Settings – Measurement Mode

**MENU**
Measurement Mode Settings

**Single Measurement**
(on)

**Continuous Measurement**
(off)

De/Activate

0.5s

1.0s — Select

1.5s — Select

5.0s — Select

Select

**Scan Measurement**
(off)

**Back to MENU**

Select

---
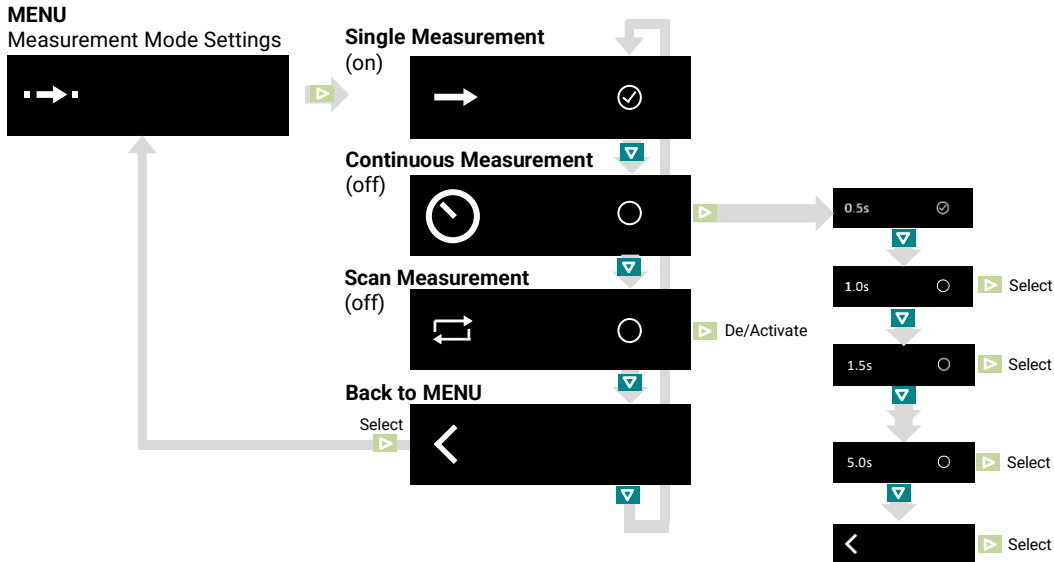
**Further Information**

Video:
How use set measurement modes?

SCAN ME

# Single Measurement

**zehntner**

Instrument off

▽ Power on

HOME/Measurement Screen - New Series

New series

| S0010 | | | 🔋 |
|---|---|---|---|
| GU | 20° | 60° | |

▶

| → S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|
| GU | #001 | 2.3 | 15.5 |

■ Measurement

| → S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|
| GU | #002 | 2.4 | 14.8 |

▶

| → S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|
| GU | stdv | 0.1 | 0.2 |
| | x(2) | 2.4 | 14.8 |

▶

| → S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|
| GU | min | 2.4 | 14.8 |
| | max | 2.4 | 14.8 |

▶

| → S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|
| | #001 | 2.3 | 15.5 |
| | #002 | 2.4 | 14.8 | 1/1 |

▶

■■ Several measurements

| → S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|
| GU | #035 | 2.4 | 14.8 |

▽

▶ | New |

Increment Series Number

# Continuous Measurement

![Zehntner logo]

Instrument off

▽ Power on

HOME/Measurement Screen - New Series
New series

| 🕐 S0010 | | 🔋 |
|---|---|---|
| GU | 20° | 60° |

Start
Continuous
Measurement

| 🕐 S0010 | 20° | 60° | 🔋 ⁑ |
|---|---|---|---|
| GU | #001 | 2.3 | 15.5 |

Measurement
all n seconds

| 🕐 S0010 | 20° | 60° | 🔋 ⁑ |
|---|---|---|---|
| GU | #002 | 2.4 | 14.8 |

Stop
Continuous
Measurements

| 🕐 S0010 | 20° | 60° | 🔋 ⁑ |
|---|---|---|---|
| GU | #035 | 2.4 | 14.8 |

| 🕐 S0010 | 20° | 60° | 🔋 ⁑ |
|---|---|---|---|
| GU | stdv | 0.1 | 0.2 |
| | x(2) | 2.4 | 14.8 |

| 🕐 S0010 | 20° | 60° | 🔋 ⁑ |
|---|---|---|---|
| GU | min | 2.4 | 14.8 |
| | max | 2.4 | 14.8 |

| 🕐 S0010 | 20° | 60° | 🔋 ⁑ |
|---|---|---|---|
| GU | #001 | 2.3 | 15.5 |
| | #002 | 2.4 | 14.8 | 1/1 |

▽

▷ New

Increment Series Number

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**Further Information**

Continuous Measurement          Measurement series with measurement all n seconds (as set in Measurement Mode settings)

# Scan Measurement

**zehntner**

Instrument off

▽ Power on

HOME/Measurement Screen - New Series
New series

| S0010 | | | 🔋 |
|---|---|---|---|
| GU | 20° | 60° | |

■ Start Continuous Measurement

| S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|
| GU | #001 | 2.3 | 15.5 |

■ Stop Continuous Measurements

■

| 🕐 | S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|---|
| GU | | #035 | 2.4 | 14.8 |

▶

| 🕐 | S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|---|
| GU | stdv | 0.1 | 0.2 | |
| | x(2) | 2.4 | 14.8 | |

▶

| 🕐 | S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|---|
| GU | min | 2.4 | 14.8 | |
| | max | 2.4 | 14.8 | |

▶

| 🕐 | S0010 | 20° | 60° | 🔋 ✳ |
|---|---|---|---|---|
| GU | #001 | 2.3 | 15.5 | |
| | #002 | 2.4 | 14.8 | 1/1 |

▶

▽

Increment Series Number

▶

New

---

## Further Information

Scan Measurement                Measurement series with maximum measurement speed (up to 20 measurements /second)

# Settings – (Measurement) Angle

**Zehntner**

**MENU**
(Measurement) Angle Settings

▷

**20° Geometry**
(on)

| 20° | ⚪ |
|-----|---|

▷ Toggle

▽

**60° Geometry**
(off)

| 60° | ⚪ |
|-----|---|

▷ Toggle

▽

**Back to MENU**

Select ▷

< 

▽

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**Further Information**

**SCAN ME**
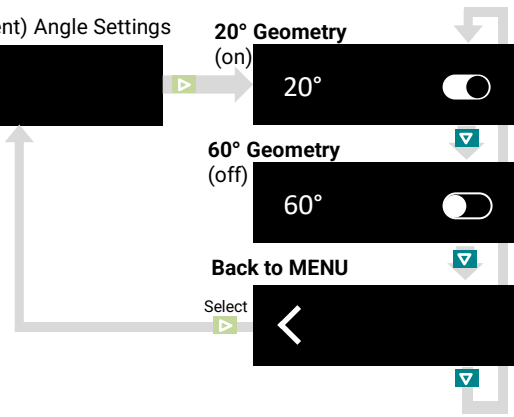
Video:
How to set the measurement angle?

**Measurement angle selection** (according to ISO 2813, ASTM D523)

| | Gloss Value @ 60° | Geometry |
|---|---|---|
| High Gloss Surface | > 70 GU | 20° |
| Medium Gloss Surface | 10 – 70 GU | 60° |

# Verification and Adjustment


Zehntner

**MENU**
Verification and Adjustment

## Start Verification

| Verify | 20° | 60° |
|---|---|---|
| | 91.7 | 92.6 |
| GU | | |

Select

## Start Adjustment

| Adjust | 20° | 60° |
|---|---|---|
| | 91.7 | 92.6 |
| GU | | |

Select

## View Custom Adjust*

Select

**Further Information**

 SCAN ME — Video: How to adjust?

 SCAN ME — Video: How to custom adjust?

*only visible if the instrument is adjusted (using the app)

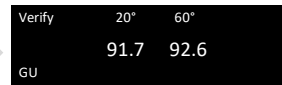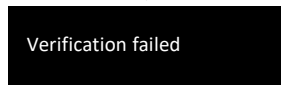| | Verification | Adjustment | Calibration |
|---|---|---|---|
| **Description** | Instrument check | Instrument correction | Calibration to |
| **Reference** | Working Standard | | Manufacturer Standard |
| **Frequency** | Before use | If verification failed | Every 2 years |

# Verification

**MENU**
Verification and Adjustment

**Start Verification**

| Verify | 20° | 60° |
|--------|-----|-----|
|        | 91.7 | 92.6 |
| GU     |      |      |

If difference to existing calibration
Δ% > 0.5%

Verification failed

Verified

| Verify | | 20° | 60° |
|--------|-----|-----|-----|
|        | set | 95.3 | 99.6 |
|        | Δ%  | 4.1 | 7.2 |
| GU     |     |      |      |

| Verify | | 20° | 60° |
|--------|-----|-----|-----|
|        | set | 91.7 | 92.6 |
|        | Δ%  | 0.1 | 0.0 |
| GU     |     |      |      |
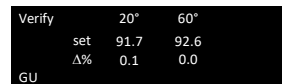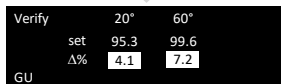
**Start Adjustment**

**Further Information**    Δ%    Difference to last adjustment value (to working standard)
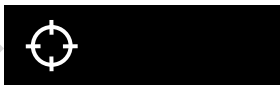
If verification fails, try cleaning your working standard!

# Adjustment

**MENU**
Verification and Adjustment

**Start Adjustment**

| Adjust | 20° | 60° |
|--------|-----|-----|
| | 91.7 | 92.6 |
| GU | | |

If necessary correction
Δ% > 20%

Adjust failed

Adjusted

| Adjust | | 20° | 60° |
|--------|-----|-----|-----|
| | set | 91.7 | 92.6 |
| | Δ% | 19.0 | 24.0 |
| GU | | | |

| Adjust | | 20° | 60° |
|--------|-----|-----|-----|
| | set | 91.7 | 92.6 |
| | Δ% | -2.8 | 3.1 |
| GU | | | |

Return to Service Partner for
**Calibration**

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**Further Information**    Δ%    Difference to calibration value (to manufacturers standard)

# Settings – (Measurement) Units

**zehntner**

**MENU**
Unit Settings

**Gloss Units**
(on)

| | |
|---|---|
| GU | ⊘ |

▶ De-/Select

**%**
(off)

| | |
|---|---|
| % | ○ |

▶ De-/Select

**Back to MENU**

Select

< 
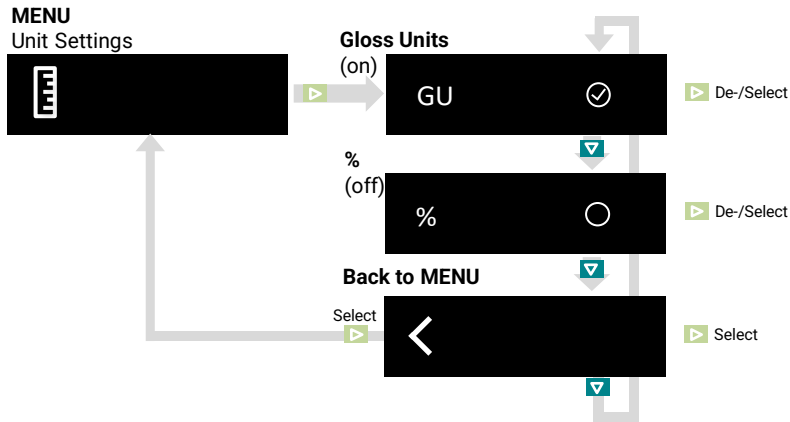
▶ Select

Further Information

**Video:**
How to set the measurement unit?

SCAN ME

# Settings – Display Settings

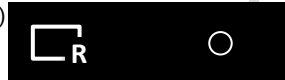**MENU**
Display Settings

**Left Hand Mode**
(on)

▷ Start

**Right Hand Mode**
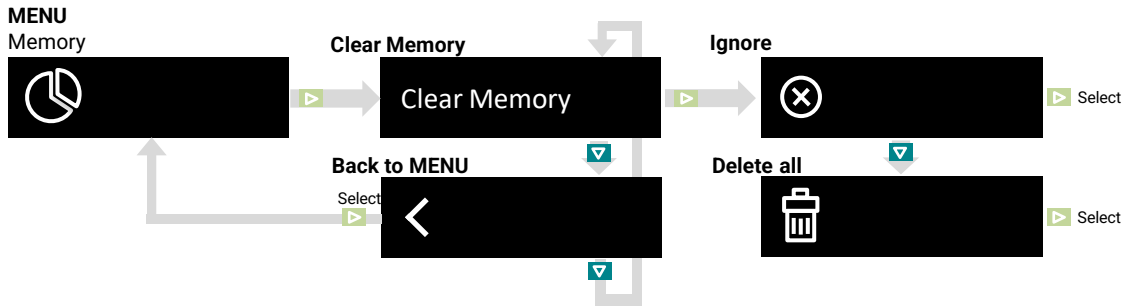(off)

▷ Start

**Back to MENU**

Select ▷

▷ Select

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**Further Information**

Video:
How to set the Display orientation?

SCAN ME

# Settings – Memory

**MENU**
Memory

**Clear Memory**

Clear Memory

**Ignore**

▶ Select

**Back to MENU**

Select

**Delete all**

▶ Select

# Device Information

**MENU**
Device Information

**Info Display**

SN: ZG80-011-2358
SN Standard: ZS04-001-3141
Angles: 20°  60°
FW: 1.0.3

▶ Start

SWISS ✚ MADE

For more information on the use of the product,
please refer to product documentation.

It is available for download on



https://www.screeningeagle.com/en/products/zehntner-zg8000

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