

Steam Quality Innovations



SQI-TM1

Dual Input PT100 Temperature Indicator

Designed for Steam Quality Testing


Made in the UK with global components.

This instrument is design to work with the SQI Test and Report App
Available on Android and PC

Download from the Android app from the Google Playstore using the QR code below or
directly from <http://steamqualityinnovations.com/Resources.htm>



TJB Systems Ltd
53 Oakleigh Gardens
Whetstone
London
N20 9AB

 Conforms to Current CE requirements

 A8TBM70ABCDEF GH

RF parts have received regulatory approval for the following countries

- USA/FCC
- Canada/ISED
- Europe/CE
- Japan/MIC
- Korea/KCC
- Taiwan/NCC
- China/SRRC
- Brazil/ANATEL
- India/WPC



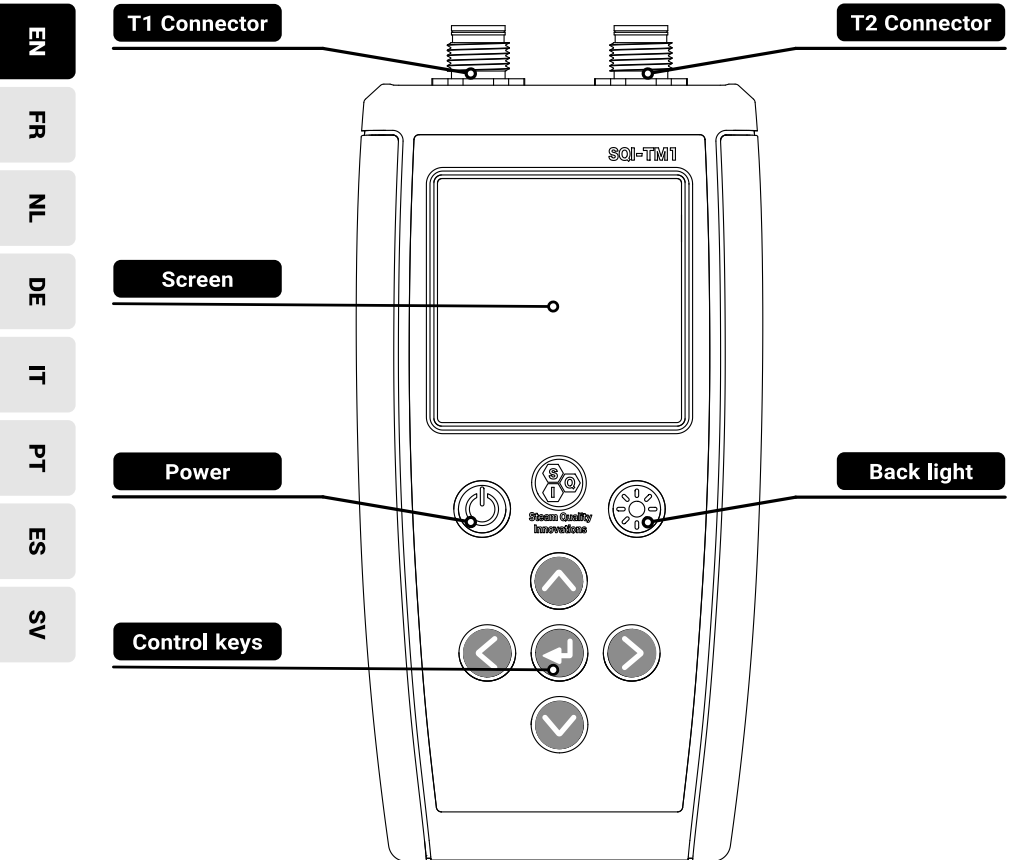
Dispose of carefully through a certified electrical disposal scheme

© TJB Systems Ltd This manual and described user interface are the
copyright of TJB Systems Ltd 2021

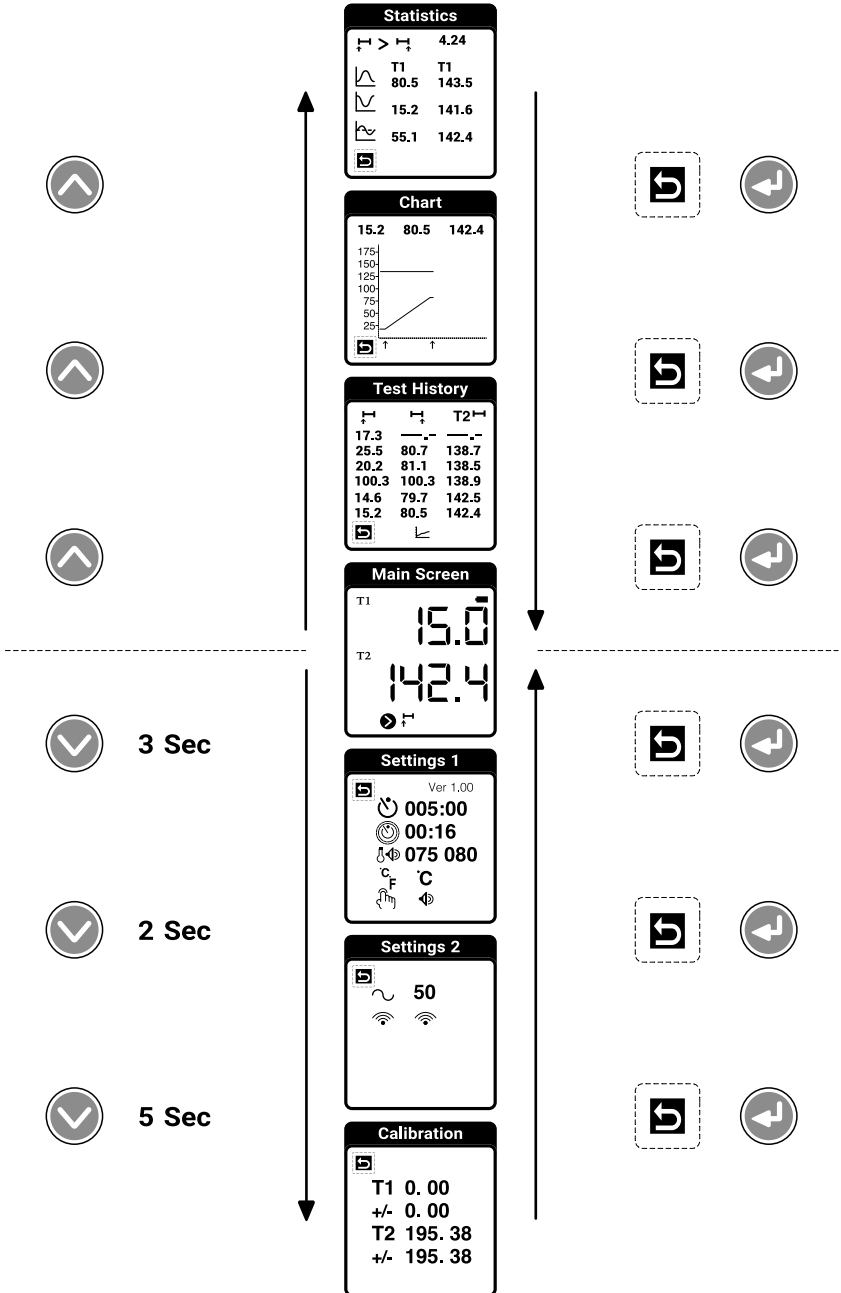


Steam Quality Innovations

SQI-TM1 Dual Input PT100 Temperature Indicator

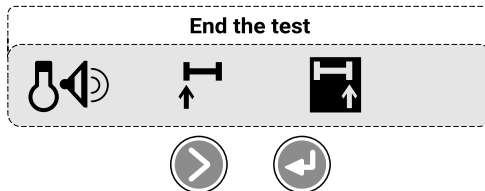
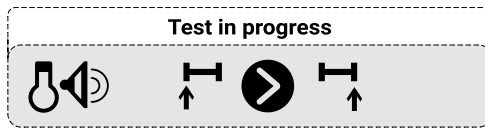
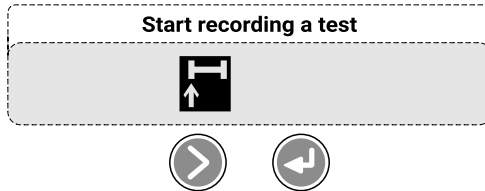
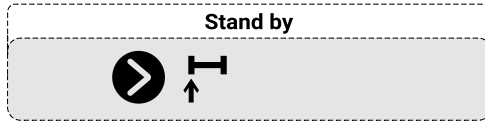
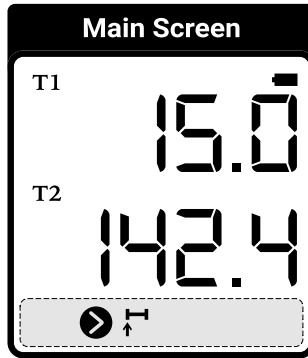


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Toggle the Temp. warning

Display Hold

2 Sec

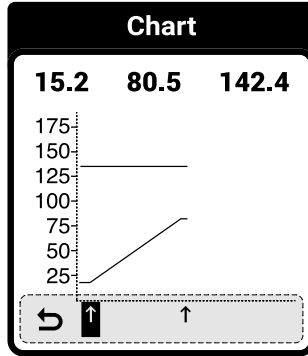
Test History

↑	↑	T2
17.3	---	---
25.5	80.7	138.7
20.2	81.1	138.5
100.3	100.3	138.9
14.6	79.7	142.5
15.2	80.5	142.4

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Adjust TS and TE

↶ ↑ ↑

Statistics

	↑ > ↓	4.24	○ — Test duration
Test maximum	T1	T1	
Test minimum	80.5	143.5	
Test average	15.2	141.6	
	55.1	142.4	
	↶		



Settings 1

Ver 1.00

Power off time 005:00

Temp. warning range 00:16

Keypad bleep 075 080

Backlight time

Display units °C

Settings 2

Local mains Freq. 50

Radio On/Off

Adjust values

00:16

- EN
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- ES
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- EN
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Calibration

↩

◉ T1 0.00

○ +/- 0.00

T2 195.38

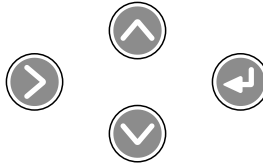
○ +/- 195.38

T1 Z 0+/-5 S>100

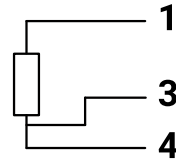
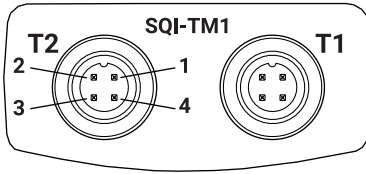
T2 Z 0+/-5 S>100

Adjust values

▶ T1 0.00



PT100 Class A

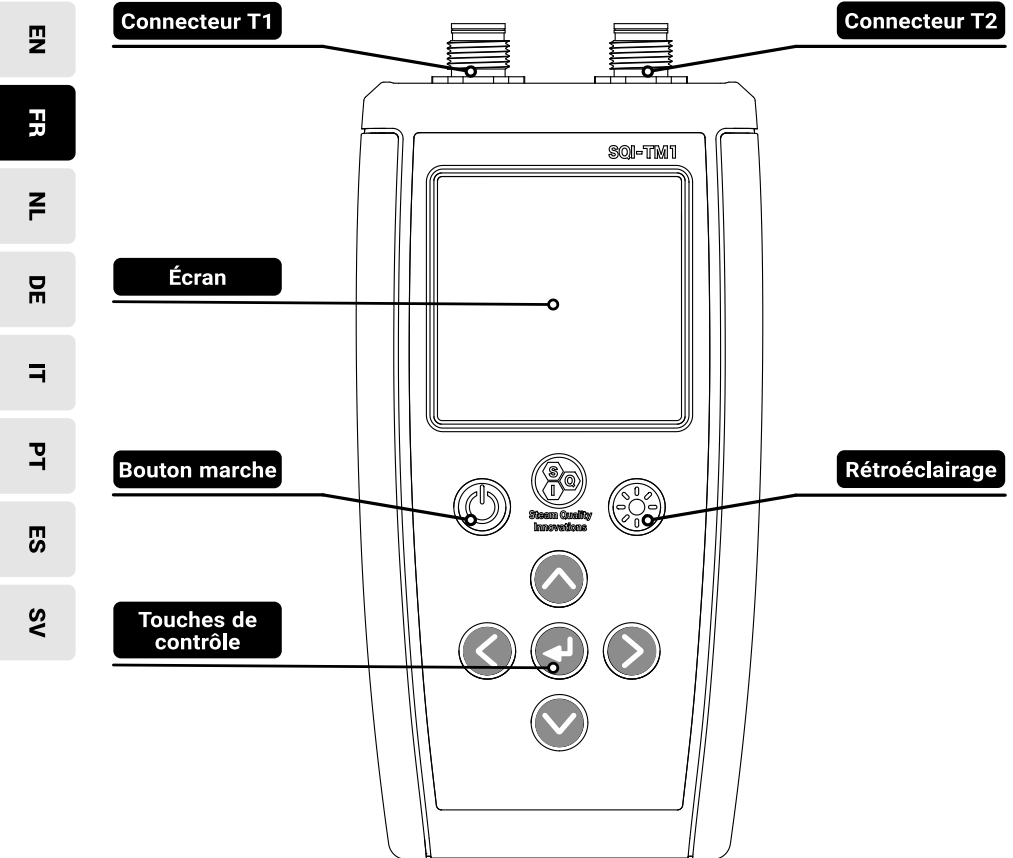


General specifications

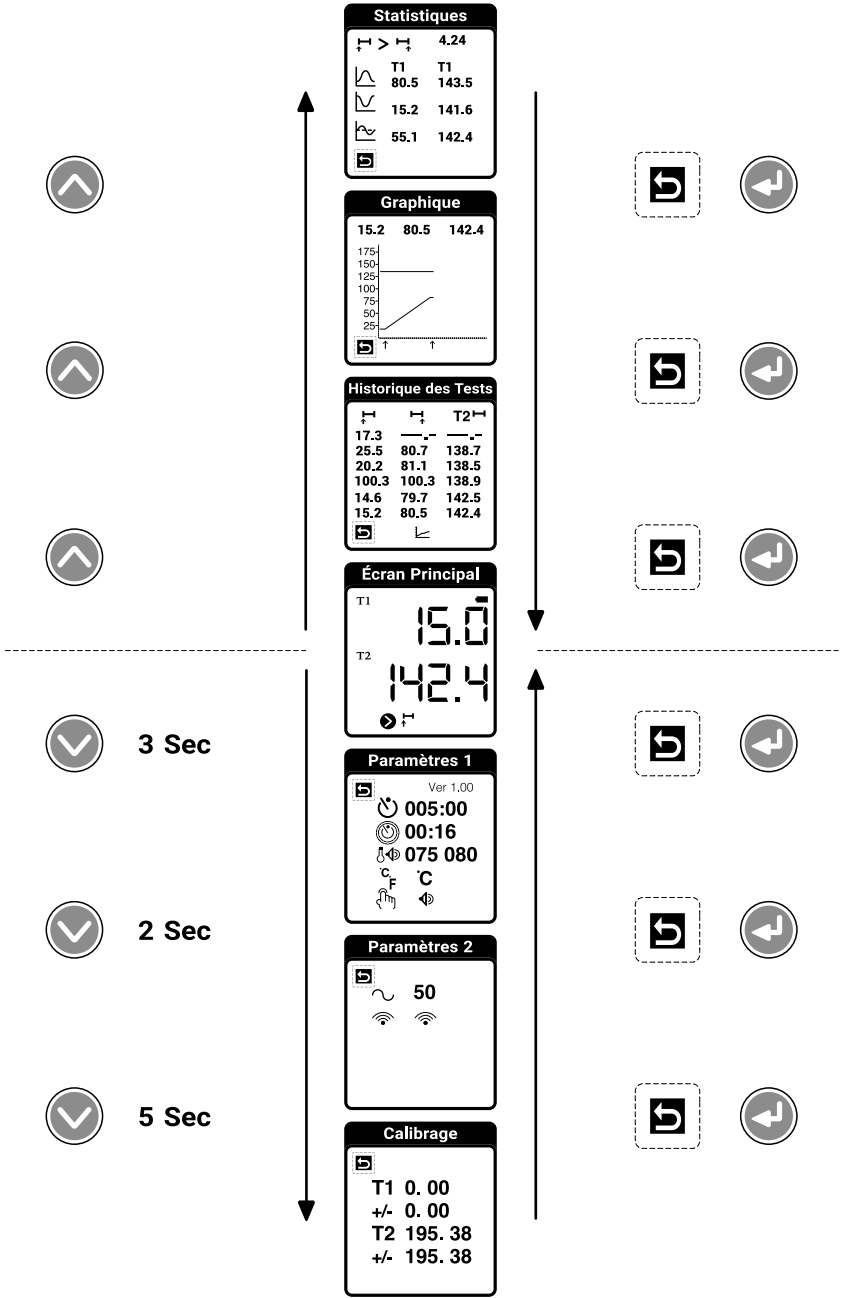
Batteries	2 x AA (Alkaline)
Battery life	> 300 Hours ¹
Display Resolution	0.1°C
Display Range	-50 to +250°C
Operating Temperature range	-5 to +40°C
Storage Temperature range	-10 to +60°C
ADC Resolution	15 Bit
System Accuracy	±(0.2 % FS + 1 digit)
Radio	BLE 4.2
Radio Range	Up to 50mtrs
Dimensions	16cm x 8cm x 4cm

¹ Depending on usage

- EN
- FR
- NL
- DE
- IT
- PT
- ES
- SV



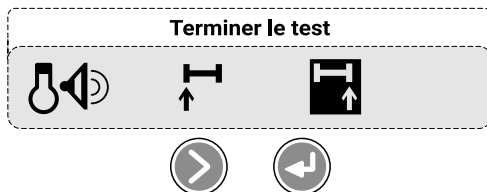
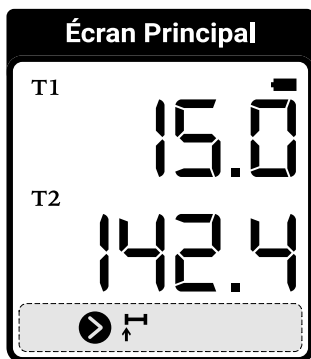
- EN
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- SV








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- FR**
- NL
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Activer / désactiver l'avertissement Temp.






Bloquer les données consultées

 **2 Sec**

Historique des Tests

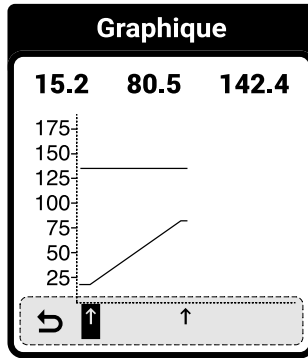
↑	↑	T2
17.3	---	---
25.5	80.7	138.7
20.2	81.1	138.5
100.3	100.3	138.9
14.6	79.7	142.5
15.2	80.5	142.4

- EN
- FR**
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- EN
- FR**
- NL
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Ajuster TS et TE

↶ ↑ ↑

		Statistiques		
		↑ H > H ↑	4.24	○ ——— Durée du test
Test maximum		T1	T1	
Test minimum		80.5	143.5	
Moyenne du test		15.2	141.6	
		55.1	142.4	



Paramètres 1

Ver 1.00

Temps d'arrêt 005:00

Intervalle d'avertissement Temp. 00:16

Bip du clavier 075 080

Durée du rétroéclairage

Unité de mesure °C

Paramètres 2

Fréquence principale 50

Radio On/Off

Ajuster les valeurs

00:16

- EN
- FR
- NL
- DE
- IT
- PT
- ES
- SV



- EN
- FR**
- NL
- DE
- IT
- PT
- ES
- SV

Calibrage

↩

⏪ T1 0.00

○ +/- 0.00

T2 195.38

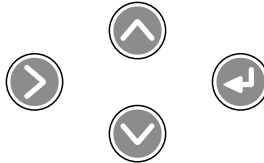
○ +/- 195.38

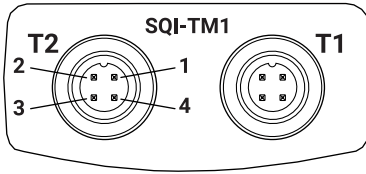
T1 Z 0+/-5 S>100

T2 Z 0+/-5 S>100

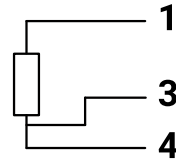
Ajuster les valeurs

▶ T1 0.00





PT100 Class A



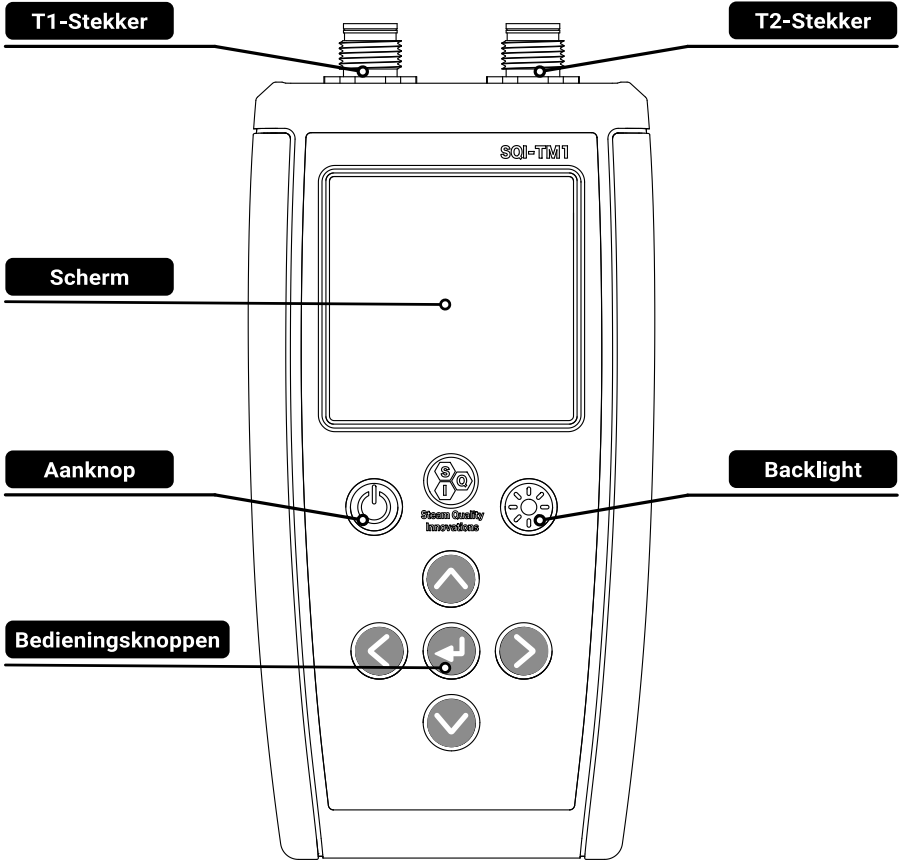
Spécifications générales

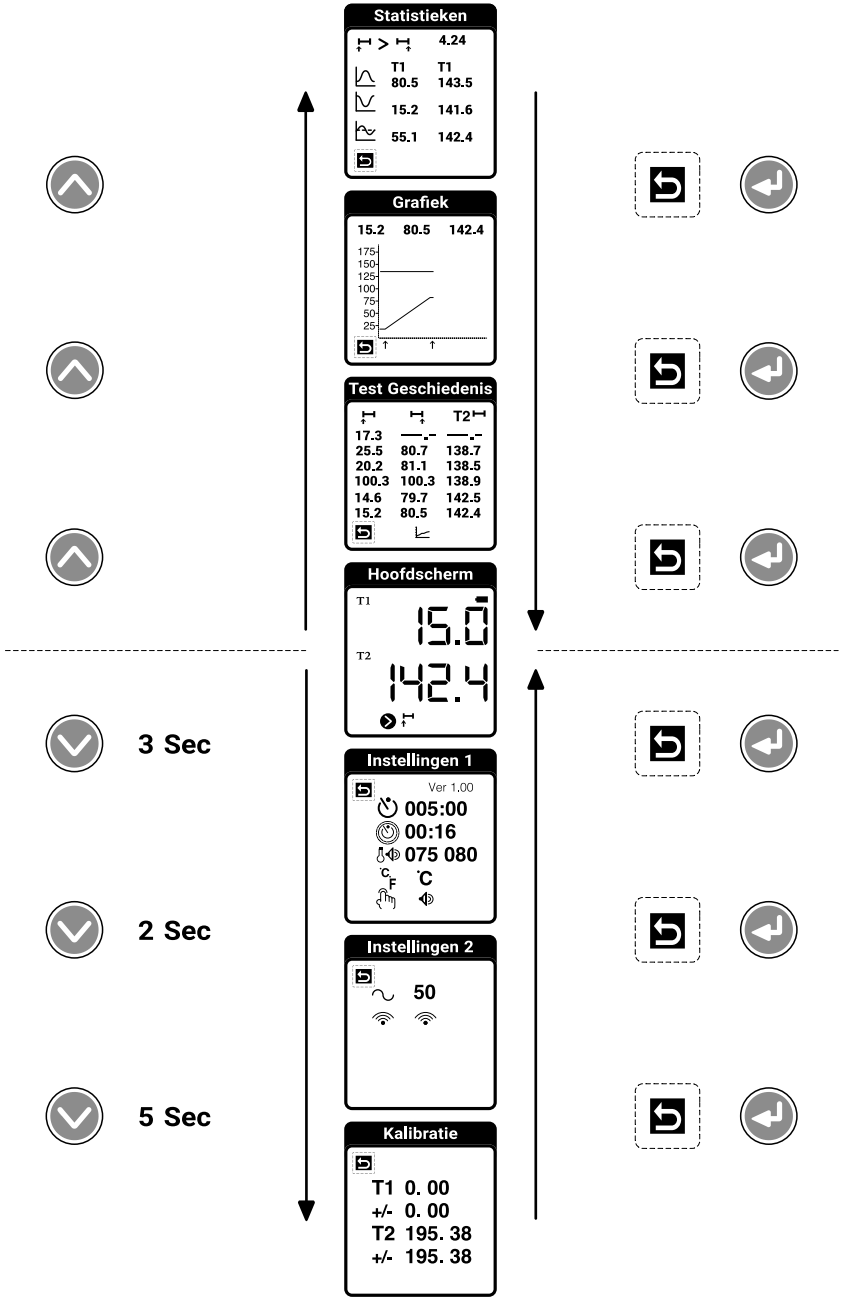
Batteries	2 x AA (Alkaline)
Vie de la batterie	> 300 Heures ¹
Tolérance de mesure Temp.	0.1°C
Plage de mesure Temp.	-50 to +250°C
Plage de Temp. de fonctionnement	-5 to +40°C
Intervalle d'enregistrement Temp.	-10 to +60°C
Résolution ADC	15 Bit
Précision du système	±(0.2 % FS + 1 digit)
Radio	BLE 4.2
Portée radio	Jusqu'à 50m.
Dimensions	16cm x 8cm x 4cm

¹ En fonction de l'utilisation



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- ES
- SV

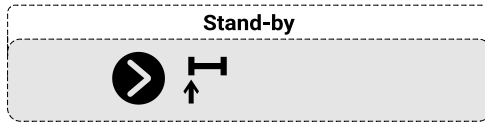




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- PT
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Schakel de Temp. -waarschuwing om

The menu shows a speaker icon with a slash through it, indicating that the temperature warning is currently disabled. Below this are two horizontal bars with upward-pointing arrows, representing the high and low temperature setpoints. At the bottom are two circular navigation buttons: a left arrow and a right arrow.

Display halten

The menu shows a circular button with a left arrow and the text "2 Sec", indicating that the display will be held for 2 seconds.

Test Geschiedenis

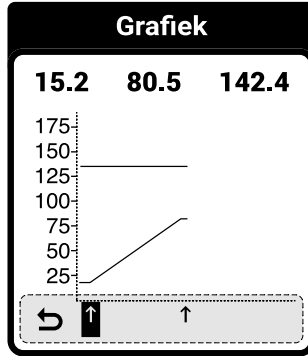
↑	↑	T2
17.3	---	---
25.5	80.7	138.7
20.2	81.1	138.5
100.3	100.3	138.9
14.6	79.7	142.5
15.2	80.5	142.4

↩ ↵

- EN
- FR
- NL**
- DE
- IT
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- ES
- SV

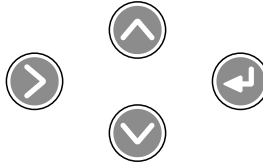


- EN
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- NL**
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- PT
- ES
- SV



Pas TS en TE aan

↶ ↑ ↗



Statistieken

↑ H > ↓ H	4.24
T1	T1
80.5	143.5
15.2	141.6
55.1	142.4

↶

Test tijdsduur

Test maximum

Test minimum

Testgemiddelde



Instellingen 1

Ver 1.00

Uitschakeltijd 00:05:00

Waarschuwinginterval 00:16

Temp. 075 080

Toetsenbord piept

Backlight time

Maateenheid

Instellingen 2

Hoofdfrequentie 50

Radio On/Off

Pas waarden aan

00:16

- EN
- FR
- NL**
- DE
- IT
- PT
- ES
- SV



- EN
- FR
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- IT
- PT
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- SV

Kalibratie

↶

⏪ T1 0.00

○ +/- 0.00

T2 195.38

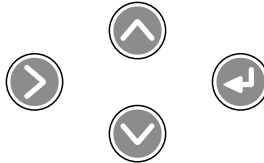
○ +/- 195.38

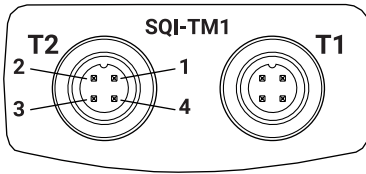
T1 Z 0+/-5 S>100

T2 Z 0+/-5 S>100

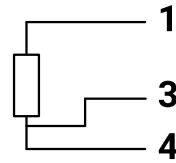
Pas waarden aan

⏪ T1 0.00





PT100 Class A



Algemene specificaties

Batterijen	2 x AA (Alkaline)
Batterijduur	> 300 Uren ¹
Meettolerantie Temp.	0.1°C
Meetbereik Temp.	-50 to +250°C
Bedrijfstemperatuurbereik	-5 to +40°C
Opname-interval Temp.	-10 to +60°C
ADC-resolutie	15 Bit
Systeemnauwkeurigheid	±(0.2 % FS + 1 digit)
Radio	BLE 4.2
Radiobereik	Tot 50 meter
Dimensies	16cm x 8cm x 4cm

¹ Afhankelijk van gebruik

EN

FR

NL

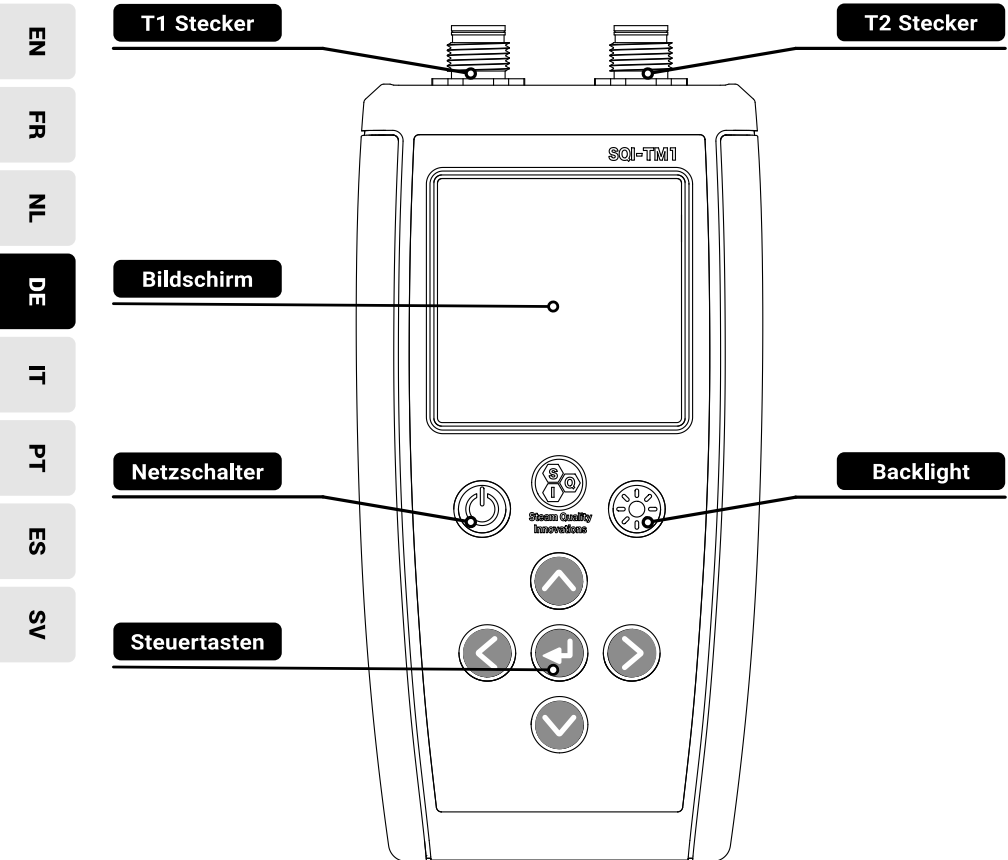
DE

IT

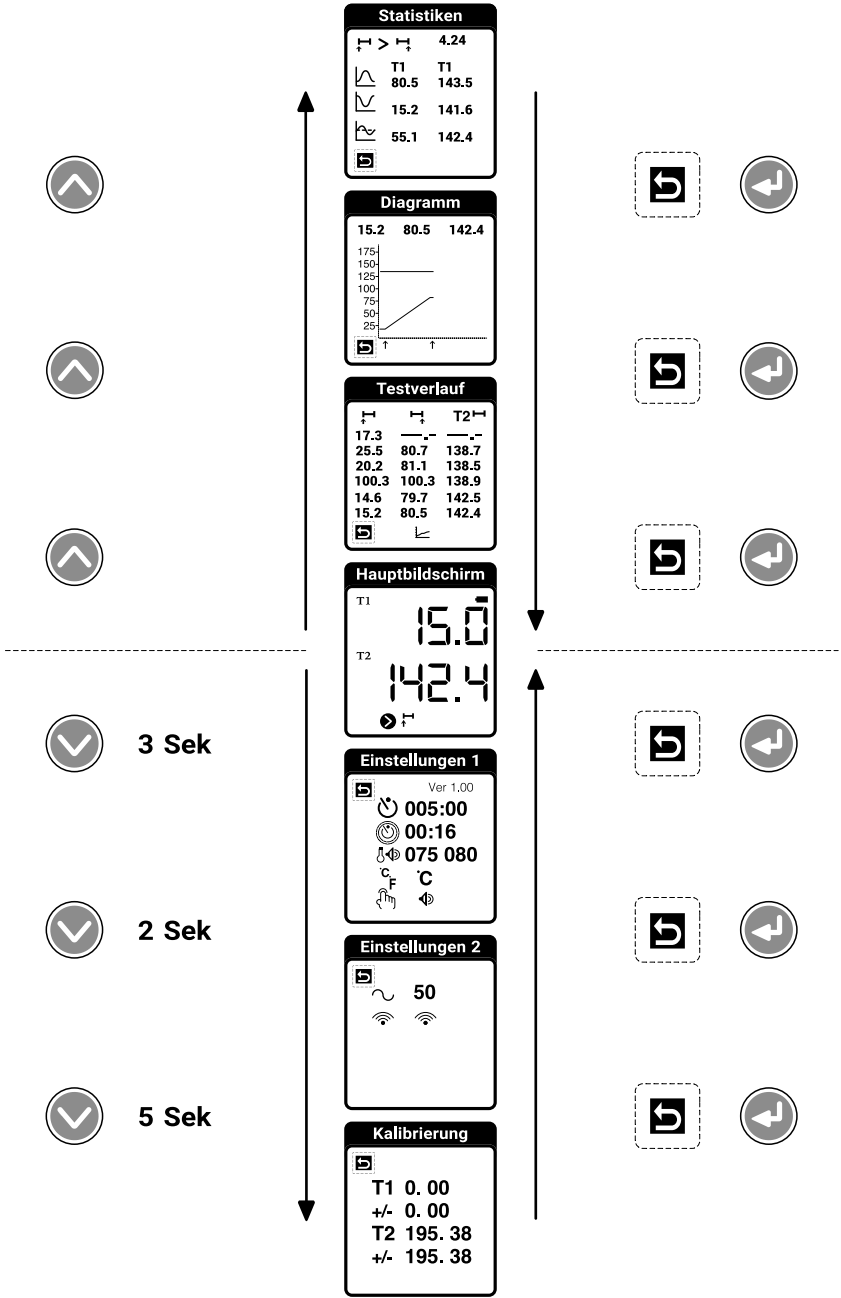
PT

ES

SV

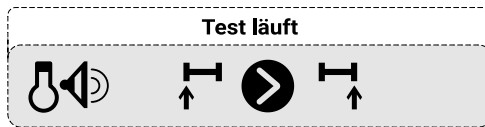
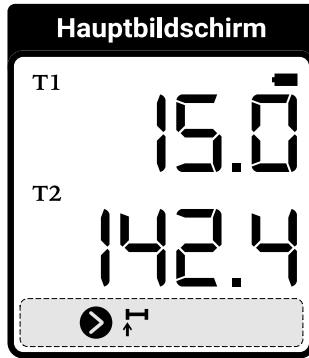


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Schalten Sie die Temp. um

Display halten

2 Sek

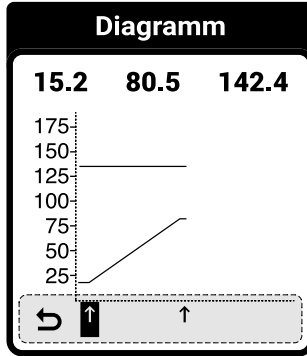
Testverlauf

↑	↑	T2
17.3	---	---
25.5	80.7	138.7
20.2	81.1	138.5
100.3	100.3	138.9
14.6	79.7	142.5
15.2	80.5	142.4

- EN
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- DE**
- IT
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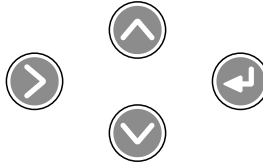


- EN
- FR
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- DE**
- IT
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- ES
- SV



Stellen Sie TS und TE ein

↶ ↑ ↑



Statistiken

↑ H > ↑	4.24	
T1	80.5	143.5
T1	15.2	141.6
T1	55.1	142.4

↶

Testdauer

Testmaximum

Testminimum

Testdurchschnitt



Einstellungen 1

Ver 1.00

Ausschaltzeit 005:00

Warnintervall Temp. 00:16

Tastatur piepst 075 080

Hintergrundbeleuchtung Zeit

Maßeinheit

°C F °C

Hand icon

Einstellungen 2

Hauptfrequenz 50

Radio On/Off

Werte anpassen

00:16

Navigation icons: play, up, down, left, right, back

- EN
- FR
- NL
- DE
- IT
- PT
- ES
- SV



- EN
- FR
- NL
- DE**
- IT
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- ES
- SV

Kalibrierung

↶

⊙ **T1** 0.00

○ +/- 0.00

T2 195.38

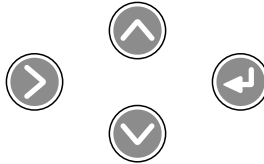
○ +/- 195.38

T1 Z 0+/-5 S>100

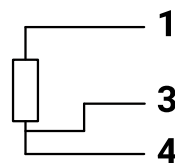
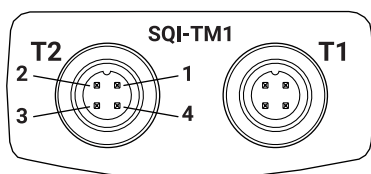
T2 Z 0+/-5 S>100

Werte anpassen

▶ **T1** 0.00



PT100 Class A



Allgemeine Spezifikation

Batterien	2 x AA (Alkaline)
Lebensdauer der Batterie	> 300 Std ¹
Messtoleranz Temp.	0.1°C
Messbereich Temp.	-50 to +250°C
Betriebstemperaturbereich	-5 to +40°C
Aufnahmeintervall Temp.	-10 to +60°C
ADC-Auflösung	15 Bit
Systemgenauigkeit	±(0.2 % FS + 1 digit)
Radio	BLE 4.2
Funkreichweite	Bis zu 50 m
Maße	16cm x 8cm x 4cm

¹ Abhängig von der Nutzung

EN

FR

NL

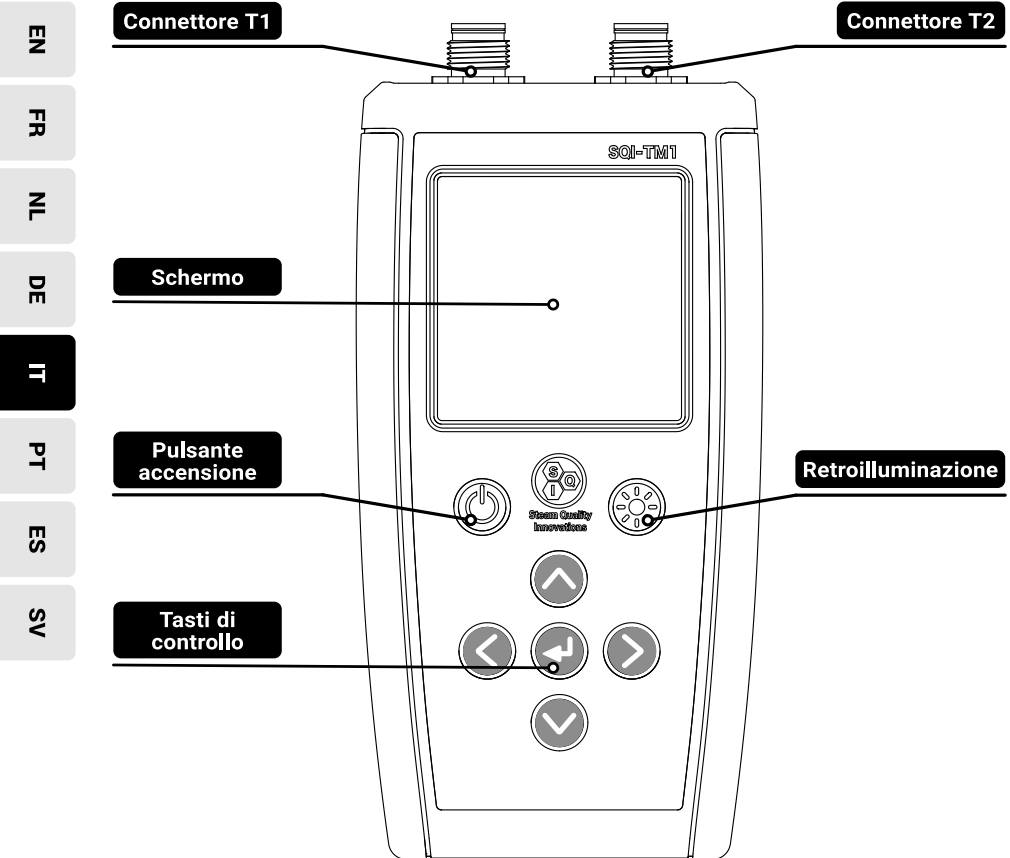
DE

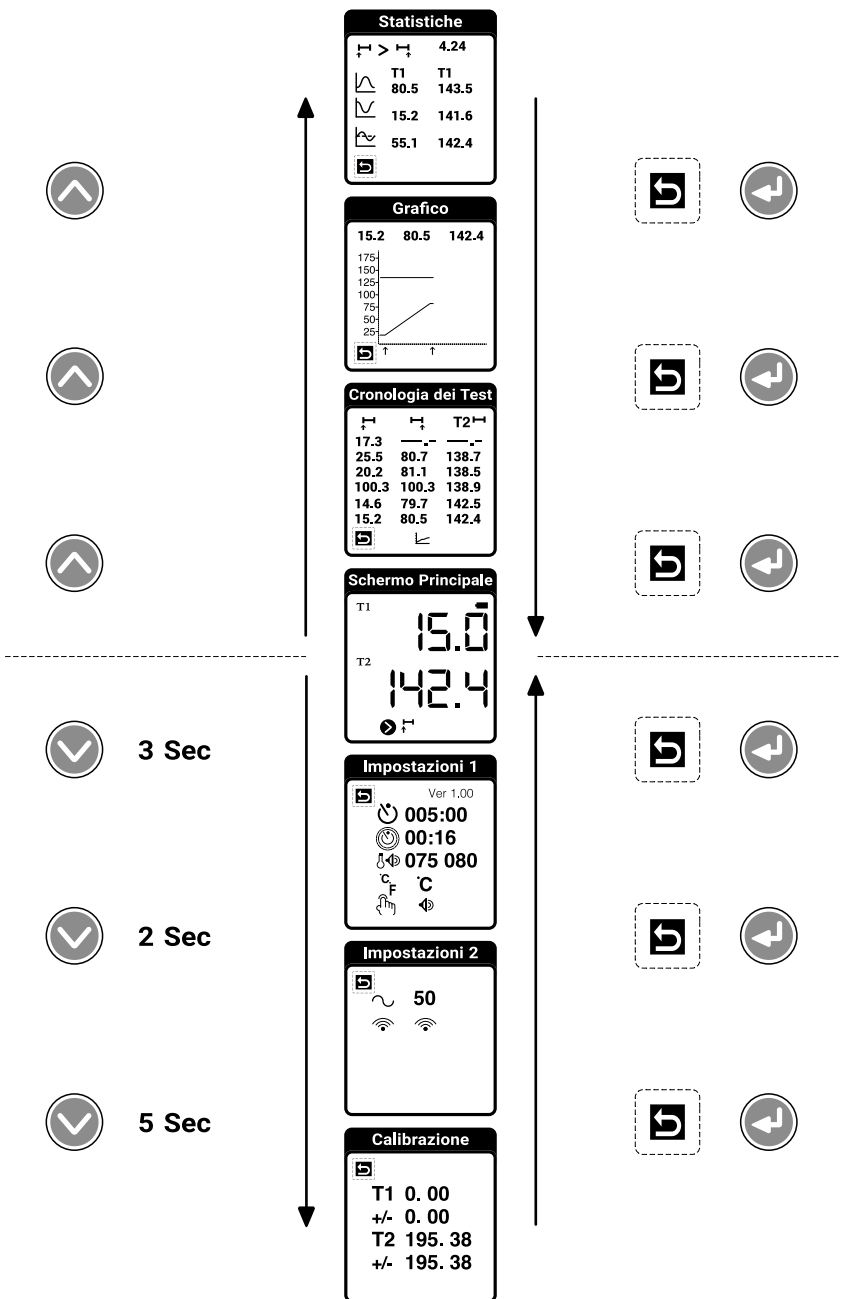
IT

PT

ES

SV

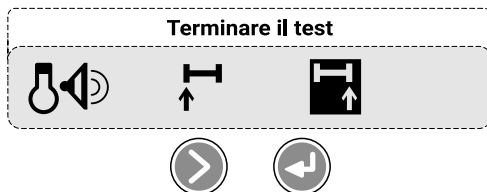
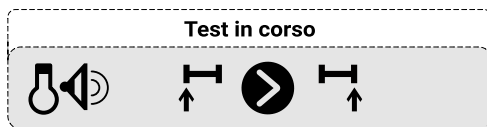
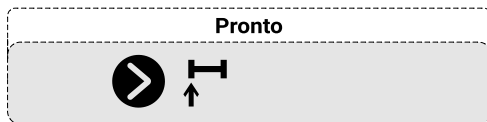
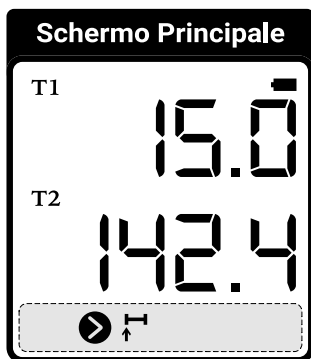




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- ES
- SV



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- IT**
- PT
- ES
- SV





Attiva/ disattiva l'avviso Temp.







Blocca dati visualizzati





2 Sec

- EN
- FR
- NL
- DE
- IT**
- PT
- ES
- SV

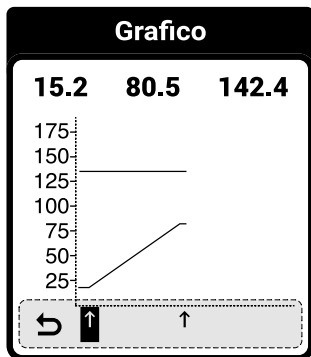
Cronologia dei Test

↑	↑	T2
17.3	---	---
25.5	80.7	138.7
20.2	81.1	138.5
100.3	100.3	138.9
14.6	79.7	142.5
15.2	80.5	142.4



- EN
- FR
- NL
- DE
- IT**
- PT
- ES
- SV



Regolare TS e TE

↶ ↑ ↗

↗ ↶ ↘ ↙

Statistiche

↕ > ↕	4.24	Durata del test
T1	T1	
80.5	143.5	
15.2	141.6	
55.1	142.4	

↶

Test massimo

Test minimo

Media del test



Impostazioni 1

Ver 1.00

Tempo di spegnimento 005:00

Intervallo di avviso Temp. 00:16

Segnale acustico tastiera 075 080

Durata retroilluminazione

Unità di misura

°C °F °C

Impostazioni 2

Frequenza principale 50

Radio On/Off

Regolare valori

00:16

- EN
- FR
- NL
- DE
- IT**
- PT
- ES
- SV



- EN
- FR
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- PT
- ES
- SV

Calibrazione

↶

◉ **T1** 0.00

○ +/- **0.00**

T2 195.38

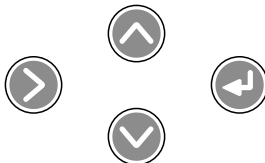
○ +/- **195.38**

T1 Z 0+/-5 S>100

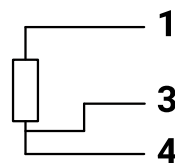
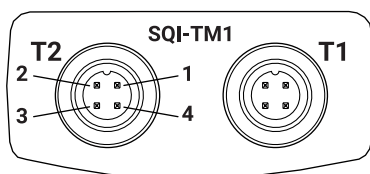
T2 Z 0+/-5 S>100

Regolare valori

▶ **T1** 0.00



PT100 Class A



Specifiche generali

Batterie	2 x AA (Alkaline)
Durata della batteria	> 300 Ore ¹
Tolleranza di misurazione Temp.	0.1°C
Intervallo di misurazione Temp.	-50 to +250°C
Intervallo Temp. di funzionamento	-5 to +40°C
Intervallo di registrazione Temp.	-10 to +60°C
Risoluzione ADC	15 Bit
Accuratezza del sistema	±(0.2 % FS + 1 digit)
Radio	BLE 4.2
Portata radio	Fino a 50m.
Dimensioni	16cm x 8cm x 4cm

¹ A seconda dell'utilizzo

EN

FR

NL

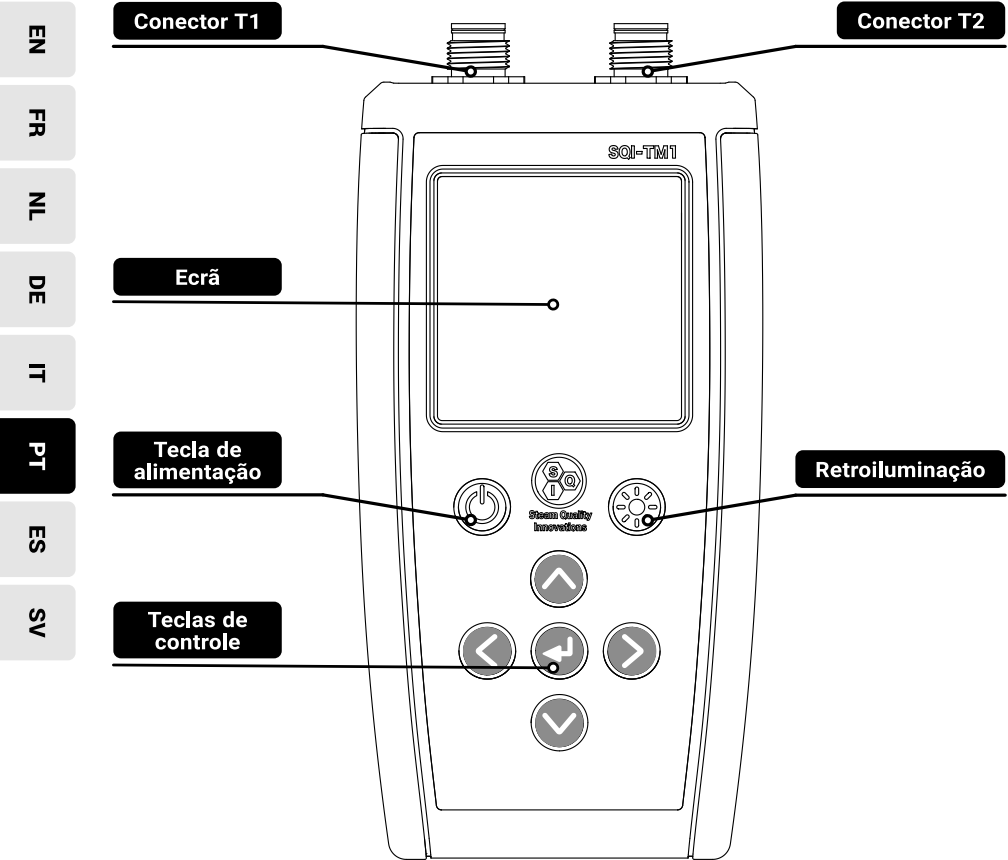
DE

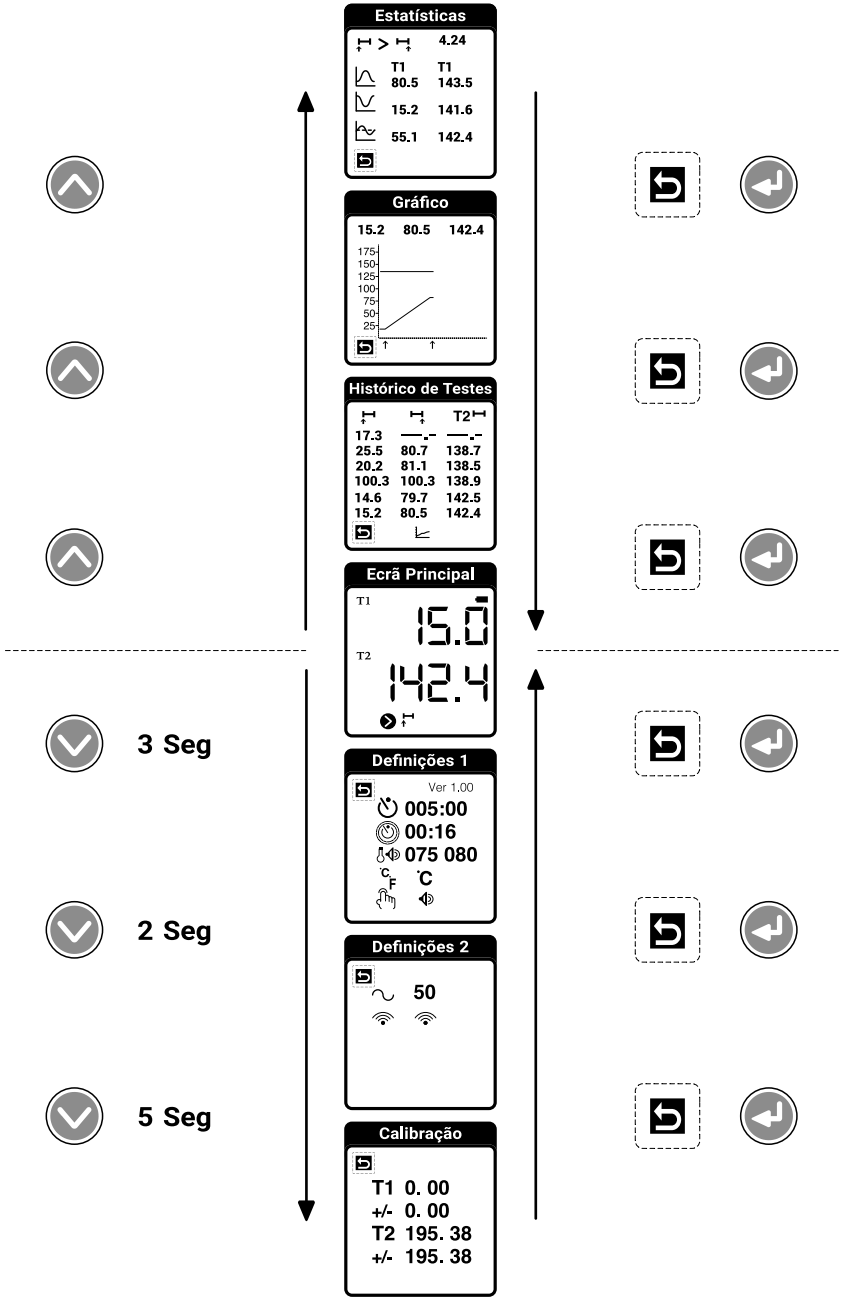
IT

PT

ES

SV

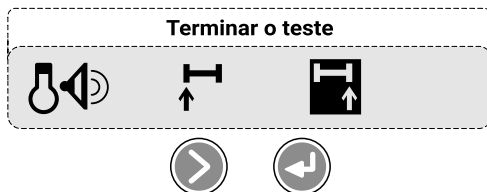
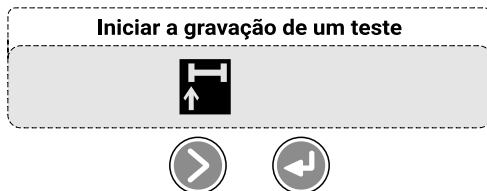
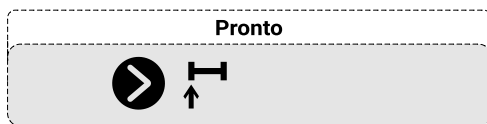
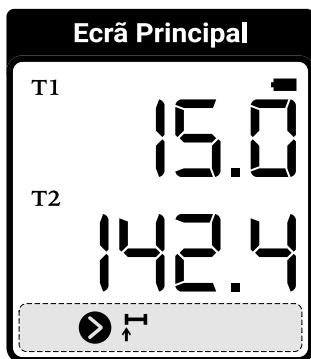




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Ativar/ desativar o aviso de Temp.



Bloquear dados visualizados



2 Seg

Histórico de Testes

↑	↑	T2
17.3	---	---
25.5	80.7	138.7
20.2	81.1	138.5
100.3	100.3	138.9
14.6	79.7	142.5
15.2	80.5	142.4



EN

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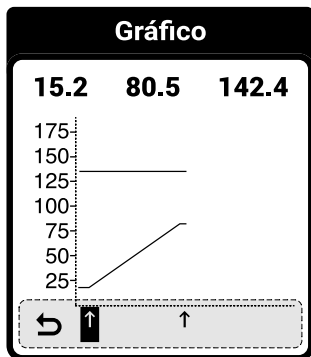
PT

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Ajustar TS e TE

↶ ↑ ↗

↗ ↶ ↵

Estatísticas

↕ > ↕	4.24	Duração do teste
T1	80.5	T1
T2	15.2	141.6
T3	55.1	142.4

↶

Teste máximo

Teste mínimo

Média do teste



Definições 1

Ver 1.00

Tempo de desligamento 005:00

Faixa de aviso de Temp. 00:16

Bip do teclado 075 080

Duração retroiluminação

Unidade de medida

°C

°F

°C

°F

Definições 2

Frequência principal 50

Radio On/Off

Ajustar valores

▶ ⏻ 00:16

⬆

⬇

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Calibração

↶

⏪ T1 0.00

○ +/- 0.00

T2 195.38

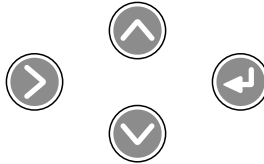
○ +/- 195.38

T1 Z 0+/-5 S>100

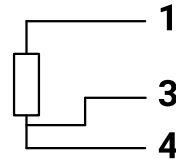
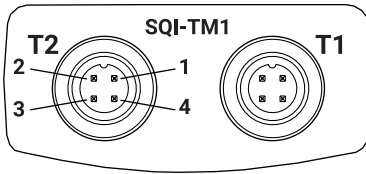
T2 Z 0+/-5 S>100

Ajustar valores

⏪ T1 0.00



PT100 Class A



Especificações gerais

Baterias	2 x AA (Alkaline)
Vida da bateria	> 300 Horas ¹
Tolerância de medição Temp.	0.1°C
Faixa de exibição Temp.	-50 to +250°C
Faixa de Temp. operacional	-5 to +40°C
Faixa de Temp. de armazenamento	-10 to +60°C
Resolução ADC	15 Bit
Precisão do sistema	±(0.2 % FS + 1 digit)
Rádio	BLE 4.2
Alcance de rádio	Até 50m.
Dimensões	16cm x 8cm x 4cm

¹ Segundo a sua utilização

EN

FR

NL

DE

IT

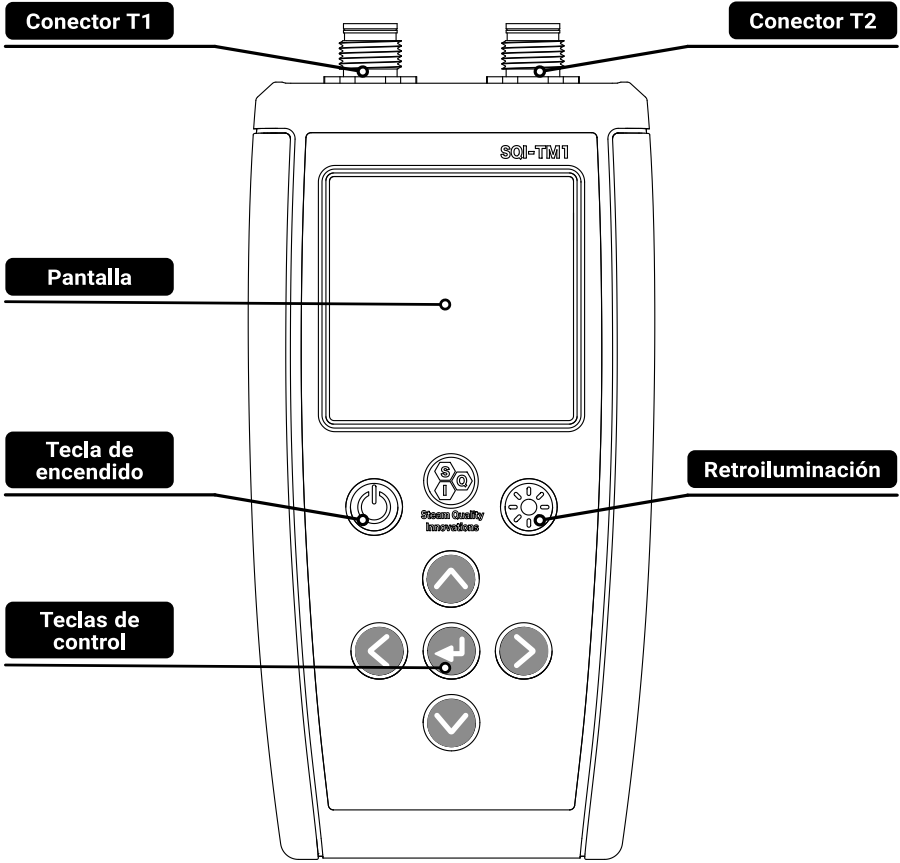
PT

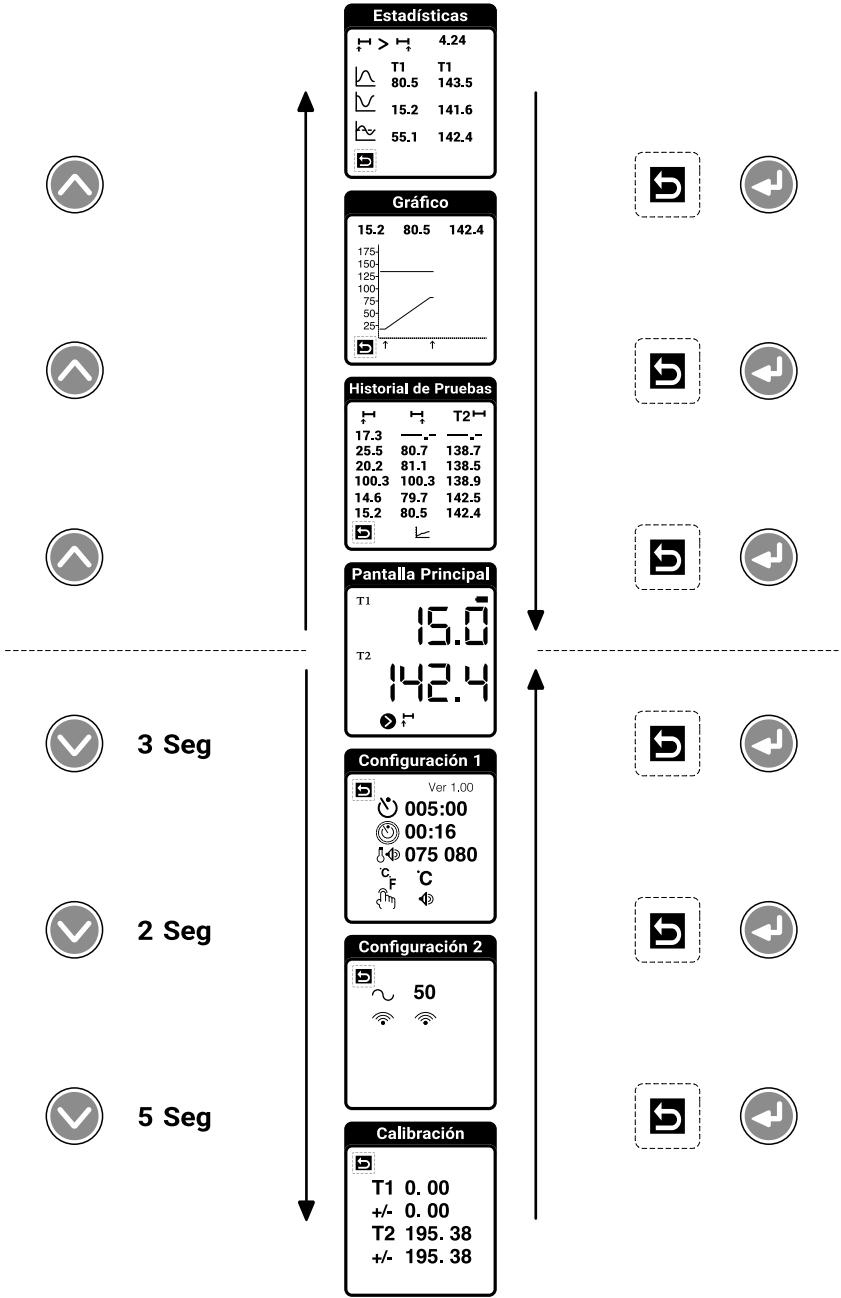
ES

SV



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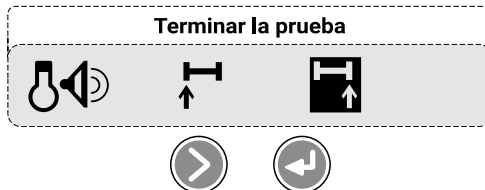
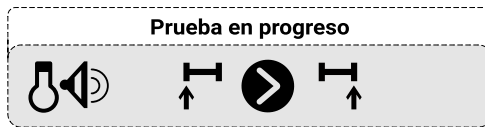
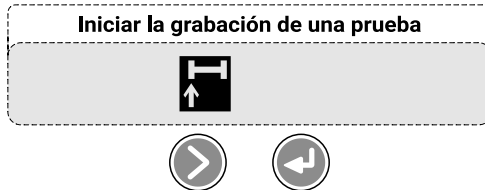
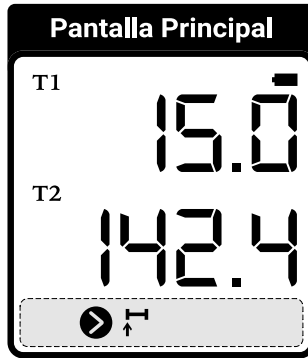




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Activar/ desactivar la advertencia Temp.

Bloquear datos vistos

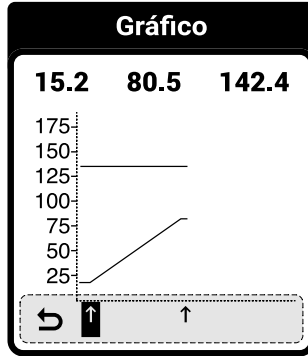
Historial de Pruebas

↑	↑	T2
17.3	---	---
25.5	80.7	138.7
20.2	81.1	138.5
100.3	100.3	138.9
14.6	79.7	142.5
15.2	80.5	142.4

- EN
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- ES**
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- EN
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- ES**
- SV



Ajustar TS e TE

↶ ↑ ↑

		Estadísticas		
		↑ > ↓	4.24	Duración de la prueba
Prueba massimo		T1	T1	
Prueba mínimo		80.5	143.5	
Promedia de la prueba		15.2	141.6	
		55.1	142.4	
		↶		



Configuración 1

Ver 1.00

Tiempo de apagado 005:00

Rango de advertencia Temp. 00:16

Pitido del teclado 075 080

Duración retroiluminación

Unidad de medida

Configuración 2

Frecuencia principal 50

Radio On/Off

Ajustar valores

00:16

- EN
- FR
- NL
- DE
- IT
- PT
- ES
- SV



- EN
- FR
- NL
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- IT
- PT
- ES**
- SV

Calibración

↶

⏪ T1 0.00

○ +/- 0.00

T2 195.38

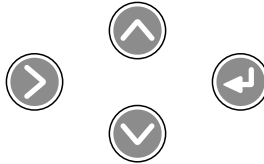
○ +/- 195.38

T1 Z 0+/-5 S>100

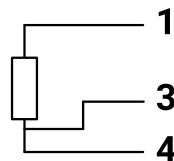
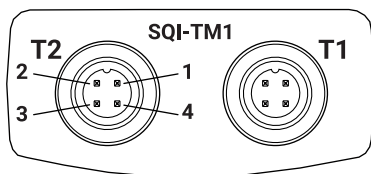
T2 Z 0+/-5 S>100

Ajustar valores

⏪ T1 0.00



PT100 Class A



Especificaciones generales

Batería	2 x AA (Alkaline)
Duración de la batería	> 300 Horas ¹
Tolerancia de medición Temp.	0.1°C
Rango de visualización Temp.	-50 to +250°C
Rango de Temp. de funcionamiento	-5 to +40°C
Rango de Temp. de almacenamiento	-10 to +60°C
Resolución ADC	15 Bit
Precisión del sistema	±(0.2 % FS + 1 digit)
Radio	BLE 4.2
Rango de radio	Hasta 50m.
Dimensiones	16cm x 8cm x 4cm

¹ Dependiendo del uso

EN

FR

NL

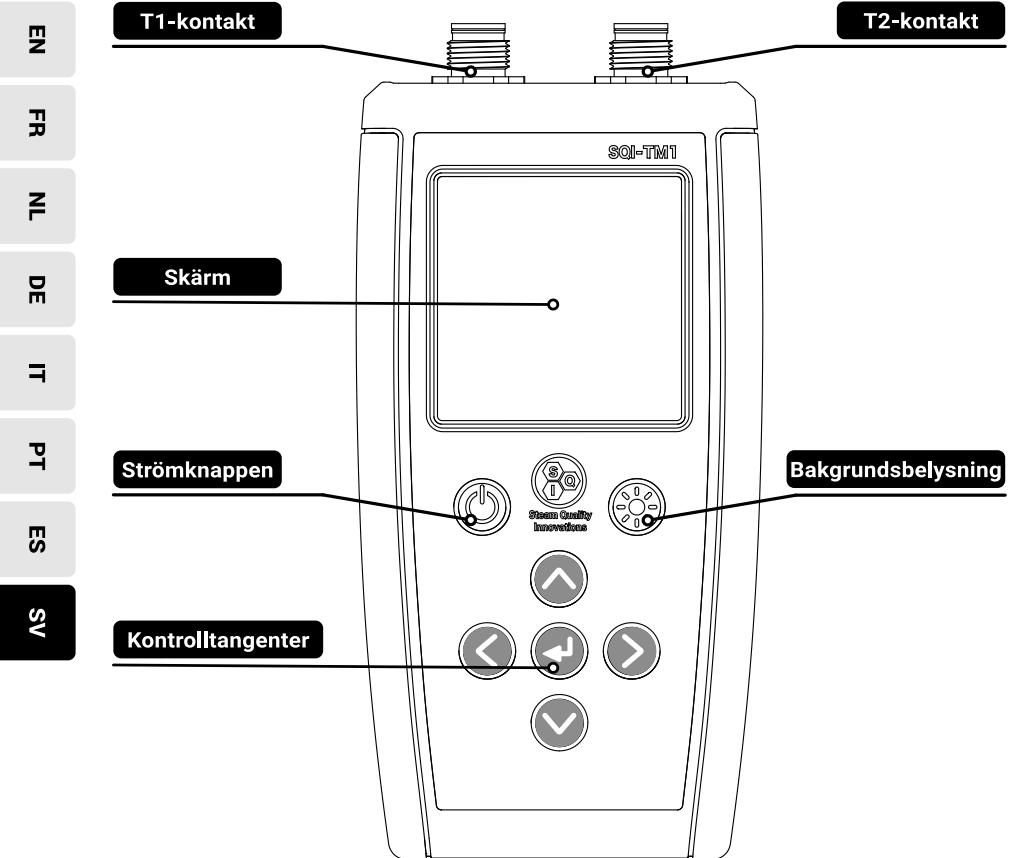
DE

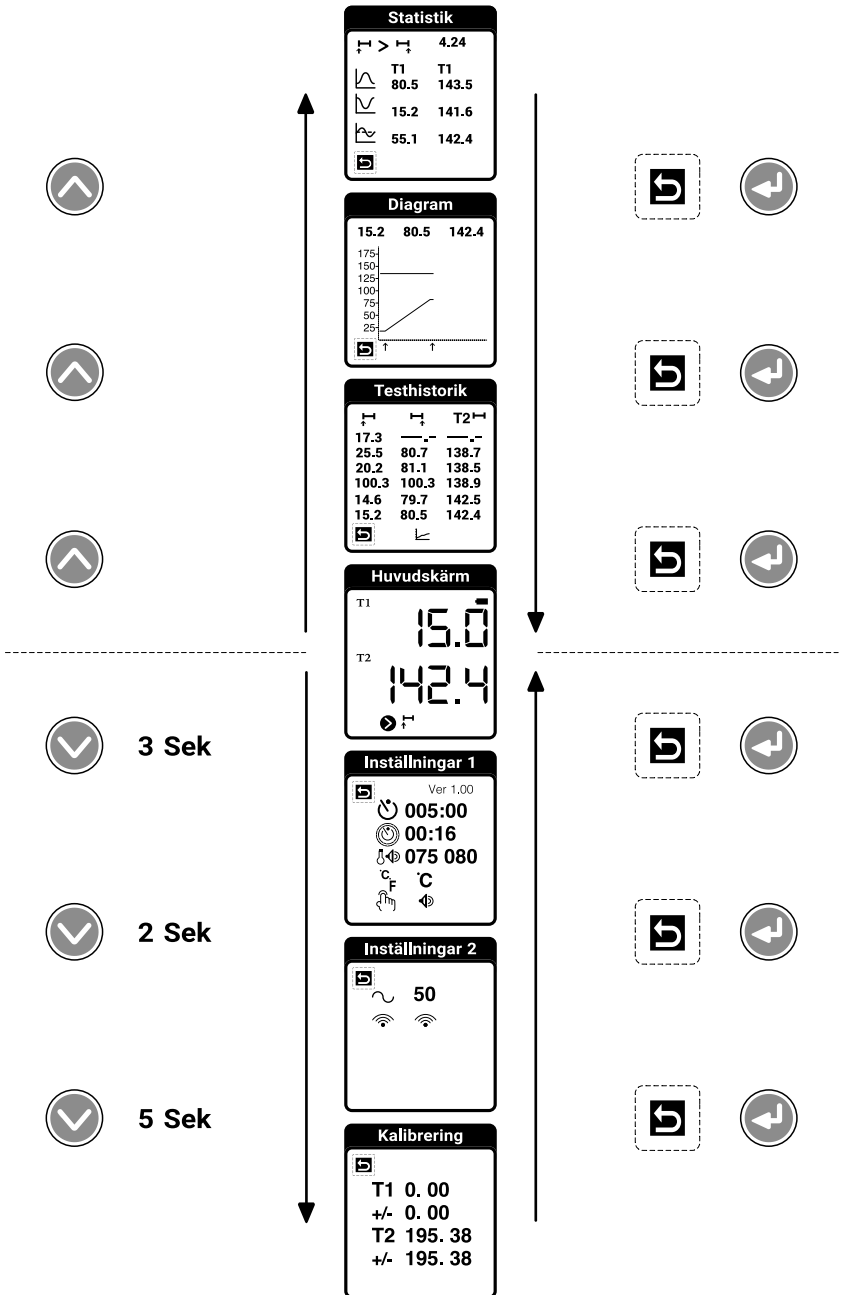
IT

PT

ES

SV

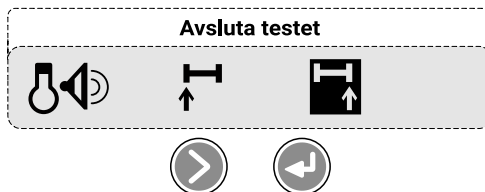
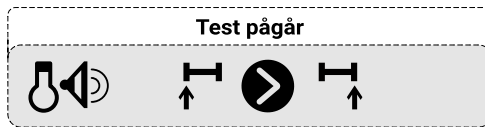




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Växla Temp. -varningen



Displayhåll



2 Sek

Testhistorik

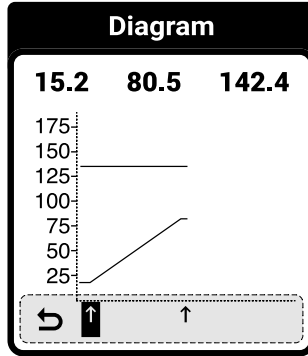
↑	↑	T2
17.3	---	---
25.5	80.7	138.7
20.2	81.1	138.5
100.3	100.3	138.9
14.6	79.7	142.5
15.2	80.5	142.4

- EN
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- IT
- PT
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- SV**



- EN
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- NL
- DE
- IT
- PT
- ES
- SV**



Justera TS och TE

		Statistik		
		↑ H > H ↑	4.24	Testets varaktighet
Test maximalt		T1	T1	
Test minimum		80.5	143.5	
Testgenomsnitt		15.2	141.6	
		55.1	142.4	



Inställningar 1

Ver 1.00

Stängningstid 005:00

Varningsintervall Temp. 00:16

Knappsatsens pip 075 080

Bakgrundsbelysningens

Måttenhet °C

Inställningar 2

Huvudfrekvens 50

Radio On/Off

Justera värden

00:16

- EN
- FR
- NL
- DE
- IT
- PT
- ES
- SV**



- EN
- FR
- NL
- DE
- IT
- PT
- ES
- SV**

Kalibrering

↶

⊙ T1 0.00

○ +/- 0.00

T2 195.38

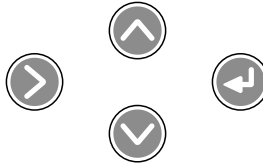
○ +/- 195.38

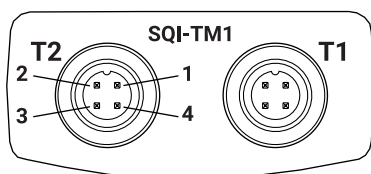
T1 Z 0+/-5 S>100

T2 Z 0+/-5 S>100

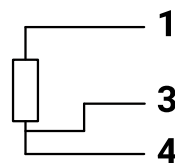
Justera värden

▶ T1 0.00





PT100 Class A



Allmänna specifikationer

Batterier	2 x AA (Alkaline)
Batteri-liv	> 300 Timmar ¹
Måttolerans Temp.	0.1°C
Mätområde Temp.	-50 to +250°C
Arbetsområde Temp.	-5 to +40°C
Inspelningsintervall Temp.	-10 to +60°C
ADC-upplösning	15 Bit
Systemets noggrannhet	±(0.2 % FS + 1 digit)
Radio	BLE 4.2
Radiointervall	Upp till 50 meter
Mått	16cm x 8cm x 4cm

¹ Beroende på användning

EN

FR

NL

DE

IT

PT

ES

SV