

# Weller®



GB Translation of the original instructions

WT 1

WT 1H

WT 1M



**MANUAL**

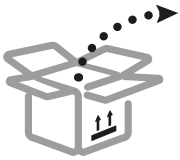


**VIDEO**



**FAQ**

1



WT 1 WT 1H  
WT 1M

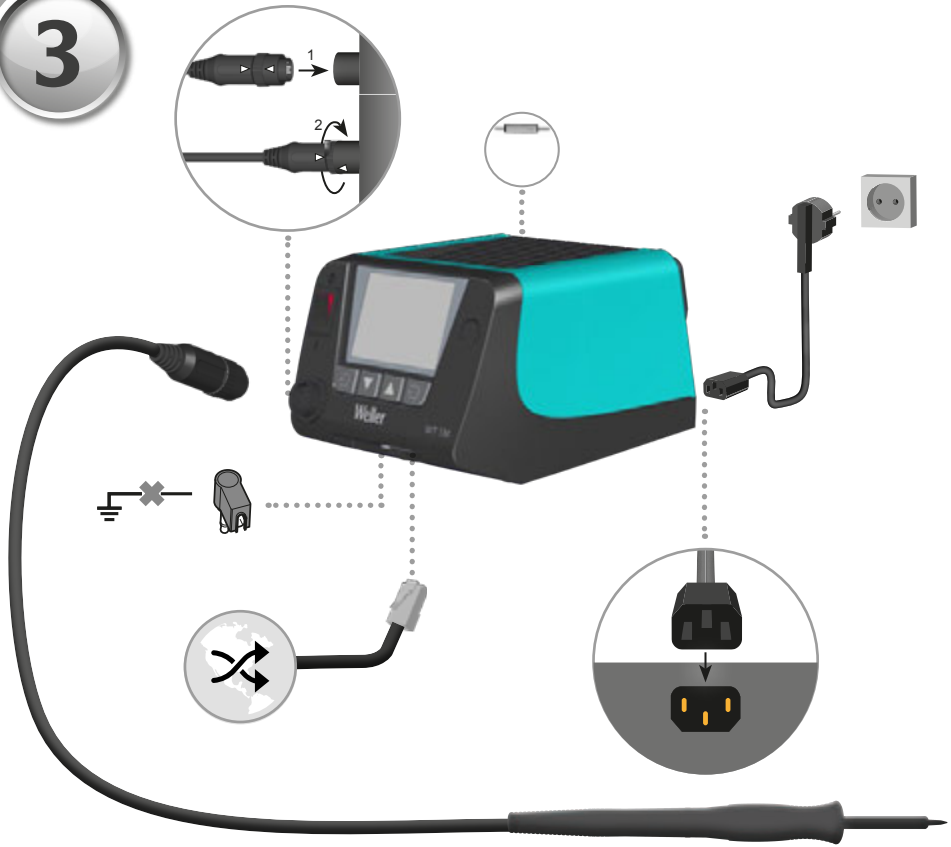
2



> 50 mm



3



WT1



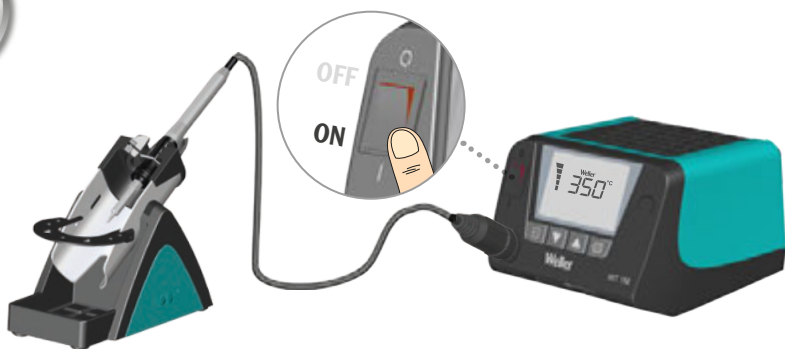
WT1H



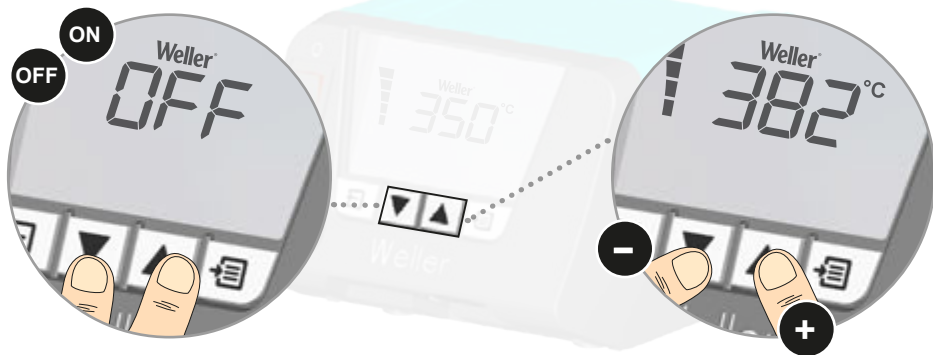
WT1M

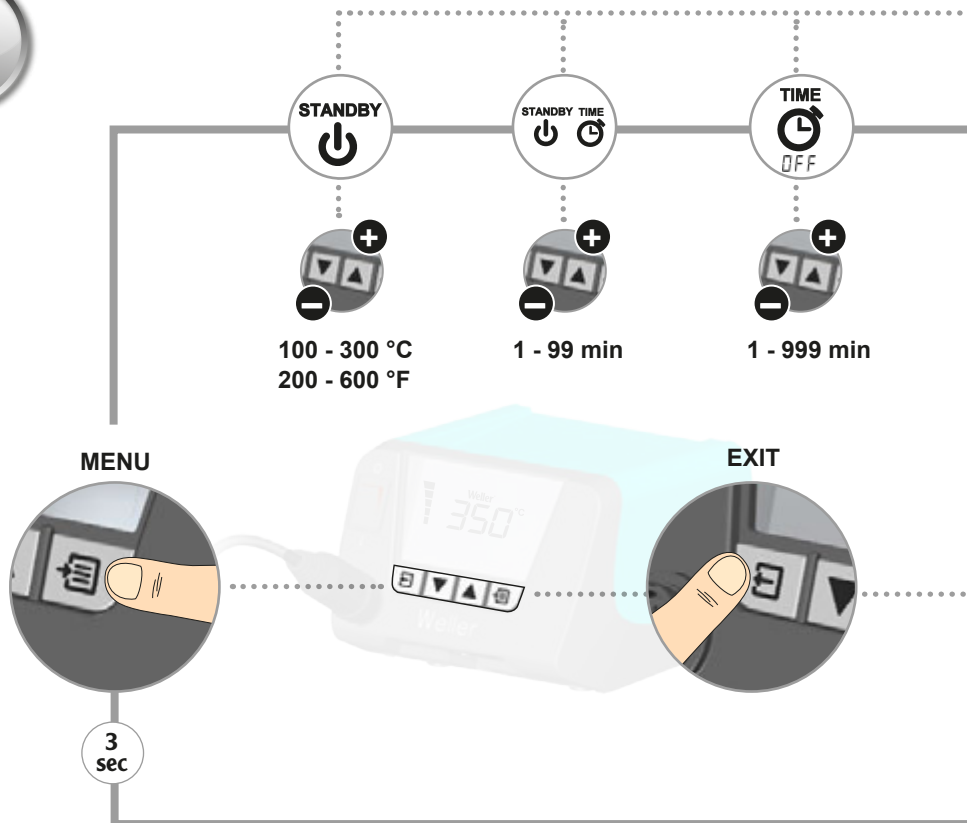


4



5





## STANDBY



100 - 300 °C  
200 - 600 °F

DE Standby Temperatur  
EN Standby Temperature  
ES Temperatura standby  
FR Température Stand-by  
IT Temperatura standby  
PT Temperatura Standby  
PT (BRA) Temperatura em Standby  
NL Standbytemperatuur  
SV Vilotemperatur  
DK Standby-temperatur  
FI Valmiuslämpötila

GR Θερμοκρασία  
ετοιμότητας  
TR Bekleme Sicakligi  
CZ Standby teplota  
PL Temperatura uśpienia  
HU Készzenléti hőfok  
SK Nastavenie pohotovost-  
nej teploty  
SL Temperatura v stanju  
pripravljenosti  
EE Ooterežiimi temperatuur  
LV „Standby” temperatūra

LT Budėjimo režimo  
temperatūra  
BG Standby температура  
RO Temperatura de standby  
HR Temperatura režima  
pripravnosti  
RU Температура ожидания  
CN 待机温度  
KO 스탠바이 온도  
JP 待機温度



1 - 99°C  
1 - 180°F



1 - 999



-40 - +40 °C  
-72 - +72 °F



°C / °F



ON / OFF



0 - 100 %



FE /rob



1 - 5



1 - 99 min

DE Standby Zeit  
 EN Standby Time  
 ES Tiempo standby  
 FR Temps Standby  
 IT Ritardo standby  
 PT Tempo de Standby  
 PT (BRA) Tempo de Standby  
 NL Standby-tijd  
 SV Vilotemp Tid  
 DK Standby tid

FI Valmiusaika  
 GR Χρόνος ετοιμότητας  
 TR Bekleme Zamani  
 CZ Pohotovostní čas  
 PL Czas do uśpienia  
 HU Készletéti idő  
 SK Doba pohotovosti  
 SL Čas stanja pripravljenosti  
 EE Ooterežiimi aeg  
 LV „Standby” laiks

LT Budėjimo režimo laikas  
 BG Standby време  
 RO Timpul de standby  
 HR Vrijeme režima pripravnosti  
 RU Время ожидания  
 CN 待机时间  
 KO 스탠바이 시간  
 JP 待機時間



1-999 min

DE	OFF Zeit	FI	OFF-aika	LT	IŠJ. laikas
EN	OFF time	GR	Χρόνος OFF	BG	OFF време
ES	Tiempo OFF	TR	OFF süresi	RO	Timpul OFF
FR	Durée OFF	CZ	Čas OFF	HR	Vrijeme OFF
IT	Tempo di OFF	PL	Czas funkcji OFF	RU	Время OFF
PT	Tempo de OFF	HU	KI idő	CN	OFF时间 (自动关闭时间)
PT (BRA)	Tempo de OFF	SK	Doba OFF	KO	자동 OFF 시간 (자동 작동정지 시간)
NL	OFF-tijd	SL	Čas izklopa	JP	OFF 時間 (自動動作停止時間)
SV	Frånslagstid	EE	OFF aeg		
DK	OFF tid	LV	OFF laiks		



1 - 99°C  
1 - 180°F

DE	Prozessfenster	SV	Processfönster	EE	Protsessiaken
EN	Process window	DK	Procesvindue	LV	procesa intervāls
ES	Rango de proceso	FI	Prosessi-ikkuna	LT	Proceso langas
FR	Fenêtre de processus	GR	Παράθυρο διεργασίας	BG	Метод прозорец
IT	Finestra di processo	TR	Proses penceresi	RO	Fereastra procesului
PT	Intervalo de processamento	CZ	Okno proces	HR	Prozor s vrijednostima parametara
PT (BRA)	Intervalo de processamento	PL	Okno procesu	RU	Окно процесса
NL	Procesvenster	HU	Folyamatablak	CN	过程窗口
		SK	Procesné okná	KO	프로세스창
		SL	Okno za prikaz poteka	JP	プロセスウィンドウ



1-999

DE	Verriegelungsfunktion	DK	låsefunktion	LV	bloķēšanas funkcija
EN	lock function	FI	lukitustoiminto	LT	užrakinimo funkcija
ES	función de bloqueo	GR	λειτουργία κλειδώματος	BG	заклучване функция
FR	fonction de verrouillage	TR	kilitleme fonksiyonu	RO	Funcția de blocare
IT	funzione di blocco	CZ	Funkce blokování	HR	lock funkciju
PT	função de bloqueio	PL	funkcja blokady	RU	заблокировать
PT (BRA)	função de bloqueio	HU	reteszelési funkció	FN	функция
NL	vergrendelingsfunctie	SK	funkcia blokovania	CN	锁止功能
SV	låsfunktion	SL	funkcija zapore procesnih parametrov	KO	잠금 기능
		EE	lukustusfunktsioon	JP	ロック機能



-40 - 40 °C  
-72 - 72 °F

DE	Offset	FI	Lämpötilakorjaus	LT	Nuokrypis
EN	Offset	GR	Offset	BG	Offset
ES	Offset	TR	Offset	RO	Offset
FR	Offset	CZ	Tep. kompenzace	HR	Pomak
IT	Offset	PL	Offset	RU	Корректировка
PT	Offset	HU	Offszet	CN	偏移量
PT (BRA)	Offset	SK	Tolerancia regulácie	KO	오프셋
NL	Offset	SL	offset	JP	オフセット
SV	Offset	EE	Ofset		
DK	Offset	LV	nobīde		



C/°F

DE	Temperaturversion	NL	Temperatuurversie	EE	Temperatuuri versioon
EN	temperature units	SV	Temperaturversion	LV	Temperatūras veids
ES	Unidad de medición de la temperatura	DK	Temperaturversion	LT	Temperatūros versija
FR	Version de température	FI	Lämpötilaversio	BG	Температурна версия
IT	Visualizzazione temperatura	GR	Έκδοση θερμοκρασίας	RO	Versiunea temperaturii
PT	Versão da escala de temperatura	TR	Sıcaklık versiyonu	HR	Prikaz temperature
PT (BRA)	Versão da escala de temperatura	CZ	Jednotka teploty	RU	Температурная шкала
		PL	Wersja temperatury	CN	温度类型
		HU	Hőmérséklet-verzió	KO	온도 단위
		SK	Verzia jednotky teploty	JP	温度単位
		SL	Enote temperature		





ON / OFF

DE	Festtemperatur	FI	Kiinteä lämpötila	LT	Fiksuotoji temperatūra
EN	Fixed temperature	GR	Σταθερή θερμοκρασία	BG	Непроменлива температура
ES	Temperatura fija	TR	Sabit sıcaklık	RO	Temperatura fixă
FR	Température fixe	CZ	Stanovená teplota	HR	Fiksna temperatura
IT	Temperatura fissa	PL	Temperatura stała	RU	Фиксированная температура
PT	Temperatura fixa	HU	Rögzített hőmérséklet	CN	固定温度
PT	(BRA) Temperatura fixa	SK	Pevná teplota	KO	고정 온도
NL	Vaste temperatuur	SL	Stalna temperatura	JP	固定温度
SV	Fast temperatur	EE	Püsitemperatuur		
DK	Fast temperatur	LV	Noteiktā temperatūra		



0 - 100 %

DE	LCD-Grundhelligkeit	DK	LCD-lysstyrke	LV	Šķidro kristālu displeja gaišums
EN	LCD background brightness	FI	LCD-peruskirkkaus	LT	LCD ryškumas
ES	LCD Brillo	GR	LCD βασική φωτεινότητα	BG	LCD-основна яркост
FR	LCD Luminosité de base	TR	LCD parlaklığı	RO	LCD Luminozitatea de bază
IT	LCD Luminosità sfondo	CZ	LCD základní jas	HR	LCD osnovna svjetlina
PT	LCD Luminosidade de fundo do	PL	LCD Jaskrawość podświetlania wyświetlacza	RU	LCD яркость дисплея
PT	(BRA) Luminosidade de fundo do LCD	HU	LCD alap fényerő	CN	液晶显示屏基本亮度
NL	LCD-basishelderheid	SK	LCD Základný jas	KO	LCD 기본 밝기
SV	LCD-basljusstyrka	SL	LCD Svetlost zaslonā	JP	LCD 背景輝度
EE		EE	LCD-taustahedlus		



FE / rob

DE	Zero Smog / RoboterAusgang	FI	Zero Smog / Robotilähtö	LV	Zero Smog / Robota izeja
EN	Zero Smog / Robot output	GR	Zero Smog / Έξοδος ρομπότ	LT	Zero Smog / Roboto išėjimas
ES	Zero Smog / Salida para robot	TR	Zero Smog / Robot çıkışı	BG	Zero Smog / Изход на робота
FR	Zero Smog / Sortie robot	CZ	Zero Smog / Výstup robotu	RO	Zero Smog / ieșire robot
IT	Zero Smog / Uscita robot	PL	Zero Smog / Wyjście urządzeń robotyzowanych	HR	Zero Smog / Robotski izlaz
PT	Zero Smog / Saída de robó	HU	Zero Smog / Robotkimenet	RU	Zero Smog / Выход робота
PT	(BRA) Zero Smog / Saída de robó	SK	Zero Smog / Výstup robota	CN	Zero Smog / 机械手输出端
NL	Zero Smog / Robotuitgang	SL	Zero Smog / Izhod za robota	KO	Zero Smog / 로봇 출력
SV	Zero Smog / Robotutgång	EE	Zero Smog / Robotiväljund	JP	Zero Smog / ロボット出口
DK	Zero Smog / Robotudgang				



1 - 5

DE	Empfindlichkeit	FI	Herkkyys	LT	Jautrumas
EN	Sensitivity	GR	Ευαισθησία	BG	чувствителност
ES	Sensibilidad	TR	Hassasiyet	RO	Sensibilitate
FR	Sensibilité	CZ	Citlivost	HR	Osjetljivost
IT	Sensibilità	PL	Czułość	RU	Чувствительность
PT	Sensibilidade	HU	Érzékenység	CN	感受性
PT	(BRA) Sensibilidade	SK	Citlivosť	KO	민감도
NL	Gevoeligheid	SL	Občutljivost	JP	感度
SV	Känslighet	EE	Tundlikkus		
DK	Følsomhed	LV	Jūtība		





Read these instructions and the safety guidelines carefully before starting up the unit and starting work.

Failure to observe the safety regulations results in a risk to life and limb.

Keep these instructions in a place that is accessible to all users. Please adhere to the operating instructions of the connected devices.

### Safety information

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance.

Cleaning and user maintenance shall not be made by children without supervision.

**Keep other persons well away from your workplace.**

The work area is out of bounds for children and unauthorised persons. Never allow other persons to touch the soldering tool or cable.

### WARNING Electrical shock

**Connecting the control unit incorrectly poses a risk of injury due to electric shock and can damage the device.**

- Carefully read the attached safety information, the safety information accompanying these operating instructions as well as the operating instructions for your control unit before putting the control unit into operation and observe the safety precautions specified therein.
- Only connect WELLER tools.

**If the device is faulty, active electrical conductors may be bare or the PE conductor may not be functional.**

- Repairs must always be referred to a Weller-trained specialist.
- If the electrical tool's power supply cord is damaged, this must be replaced with a specially prefabricated power supply cord available through the customer service organisation.

**Protect yourself against electric shocks.** The handles on soldering tools with an antistatic design are conductive.

- Avoid touching earthed objects such as pipes, heaters, cookers and refrigerators.
- Do not use the soldering tool in a damp or wet environment.
- Never work on voltage-carrying parts.

### WARNING Risk of burns

**Risk of burns from the soldering tool while the control unit is operating. Tools may still be hot long after they have been switched off.**

- Always place the soldering tool in the safety rest while not in use. Make sure the safety holder is stable.
- Only replace solder tips when cold

**Risk of burning through liquid solder. Protect yourself against solder splashes.**

- Wear appropriate protective clothing to protect yourself against burns. Protect your eyes by wearing eye protectors.

### WARNING Fire hazard

**Covering the soldering iron or the safety holder poses a fire hazard. Always keep objects well away from the soldering iron and safety holder.**

- Always keep objects well away from the soldering iron and safety holder.
- Keep all combustible objects, liquids or gases well away from the hot soldering tool.

**Store your soldering tool in a safe place.** When not in use, units and tools should be stored in a dry, high or locked area out of the reach of children. Make sure that unused soldering tools are free of voltage and de-pressurised.

**The mains cable must only be plugged into the mains socket or adapter approved for this purpose.** Check to see if the mains voltage matches the ratings on the nameplate. Make sure the machine is switched off before plugging in.

**Do not use the cable for purposes other than those for which it is intended.** Never carry the unit by the cable. Do not use the cable to pull the plug out of the socket. Protect the cable against heat, oil and sharp edges.

**Be alert.** Pay attention to what you are doing. Be smart when using the unit. Do not use the soldering tool if you are having difficulty concentrating.

**Avoid abnormal posture.** Arrange your work station in an ergonomically correct way. Avoid bad posture when using the unit, as this can lead to postural problems.

**The soldering tool must be operated only in perfect technical working order.** Safety devices must not be deactivated.

**Faults and defects must be repaired immediately.**

Before using the unit / tool, safety devices must be carefully checked to make sure that they are functioning properly and in the manner intended. Check that moving parts are functioning properly and are not sticking, and whether parts are damaged. All parts must be correctly fitted and must satisfy all the requirements necessary to guarantee troublefree operation of the unit.

**Use the correct tool.** Use only accessories or auxiliary devices which are included in the list of accessories or approved for use by the manufacturer. Use WELLER accessories or auxiliary devices on original WELLER equipment only. The use of other tools and other accessories can cause injury.

**Secure the tool.** Use clamping fixtures to hold the workpiece.

**Use a solder fume extraction unit.** If appliances for connecting solder fume extraction units are available, ensure that they are connected and used properly.

### Specified Conditions Of Use

Supply unit for WELLER soldering tools. Use the soldering station only for the purpose of soldering, as specified in the Operating Instructions.

This device may only be used at room temperature and indoors. Protect against moisture and direct sunlight.

### User groups

Due to differing degrees of risk and potential hazards, several work steps may only be performed by trained experts.

Work step	User groups
Default soldering parameters	Specialist personnel with technical training
Replacing electrical replacement parts	Electricians
Default maintenance intervals	Safety expert
Operation	Non-specialists
Operation Replacing electrical replacement parts	Technical trainees under the guidance and supervision of a trained expert

### Care and maintenance



**Before doing any work on the machine, pull the plug out of the socket. Leave the unit to cool down.**

Check all connected cables and hoses on a regular basis. If power tools are damaged, they must be immediately removed from use.

**Repairs must always be referred to a Weller-trained specialist.**



Use original replacement parts only.

### Warranty

Claims by the buyer for physical defects are time-barred after a period of one year from delivery to the buyer. This does not apply to claims by the buyer for indemnification in accordance with §§ 478, 479 BGB (German Federal Law Gazette).

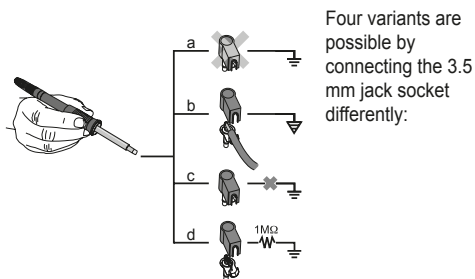
We shall only be liable for claims arising from a warranty furnished by us if the quality or durability warranty has been furnished by use in writing and using the term „Warranty“.

The warranty shall be void if damage is due to improper use and if the device has been tampered with by unauthorised persons.

## Technical Data

Soldering station	WT 1		WT 1H
	WT 1M		
Dimensions L x W x H	(mm)	150 x 130 x 101	
	(Inch)	5.91 x 5.12 x 3.98	
Fuse	230 V (mA)	T500	T800
	120 V (A)	T1	T1,6
Weight	(kg)	1,9	3,0
Mains supply voltage	(V / Hz)	230 / 50 120 / 60 100 / 50/60	
Power consumption	(W)	95	150 (200)
Safety class		I, antistatic housing III, Soldering tool	
Temperature range	(°C)	50 - 450 / 550	
Tool dependent	(°F)	150-850 / 950	
Temperature accuracy	(°C/°F)	± 9 / ± 17	
Temperature stability	(°C/°F)	± 2 / ± 4	

## Equipotential bonding



a	Hard-grounded	supplied without plug.
b	Equipotential bonding	with plug, equaliser at centre contact.
c	Floating	with plug
d	Soft-grounded	with plug and soldered resistor. Grounded through selected resistor.

## Symbols



Caution!



Warning! Risk of burns!



Read the operating instructions!



Before performing work of any kind on the unit, always disconnect the power plug from the socket.



ESD-compatible design and ESD-compatible workstation



Equipotential bonding



CE mark of conformity



British Conformity Mark



Fuse



Safety transformer



### Disposal

Waste light sources have to be removed from equipment. Check with your local authority or retailer for recycling advice and collection point. According to local regulations retailers may have an obligation to take back waste electrical and electronic equipment free of charge. Your contribution to re-use and recycling of waste electrical and electronic equipment helps to reduce the demand of raw materials. Waste electrical and electronic equipment contain valuable, recyclable materials, which can adversely impact the environment and the human health, if not disposed of in an environmentally compatible manner. Delete personal data from waste equipment, if any.

**EN** EC declaration of conformity

We hereby declare that the products described herein comply with the following guidelines:

We hereby declare that the products described herein comply with the following guidelines:

2014/35/EU, 2014/30/EU, 2011/65/EU

**CE** Besigheim, 2024-08-02



Philippe Buidin  
Managing director

Bevollmächtigt die technischen Unterlagen zusammenzustellen.  
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autorise à réunir les documentations techniques.  
Autoriza la recopilación de la documentación técnica.  
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Responsável pela compilação da documentação técnica.  
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Bemyndiger udarbejdelse af den tekniske dokumentation.  
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SI 2016 No.1101, SI 2016 No.1091, SI 2012 No.3032

Besigheim, 2024-08-02



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# Product Registration

