



Translation from the German original
Operating Manual

Gärmeister CONTROL

Item no.: 77278



Version March 2017



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1 General

Dear Customer,

You purchased a new device from our company. Thank you for the confidence you place in us. When it comes to our products, quality and functionality are in the foreground.

Intended use:

The Gärmeister CONTROL is intended for use in combination with the Speidel fermentation tank with temperature sensor connection and sleeve to control the temperature and thus, the fermentation activity. By means of a BRAUMEISTERmobil WLAN module, the data can be transmitted to a MySpeidel.com account and can also be monitored remotely (*Function activated from approx. autumn 2017*).



Instruction manual:

We created these instructions in order to guarantee reliable and secure commissioning and operation of the device from the start. Please read these instructions carefully and completely prior to using the device.



Declaration of conformity:

SPEIDEL Tank- und Behälterbau GmbH herewith declares that the product Gärmeister CONTROL, stated in these instructions, to which this declaration refers, is in compliance with the provisions of the following European Directives:

- Electromagnetic compatibility 2004/108/EG,
- Low voltage 72/23/EWG

Distributor:

Speidel Tank- und Behälterbau GmbH
Krummenstrasse 2
72131 Ofterdingen
Germany

www.speidels-braumeister.de

www.speidel-behaelter.de

2 Safety instructions:



- Always make sure that the device is in a proper condition.
- Make sure that moisture cannot run down the cable with the power supply and penetrate into the socket. **Electric shock hazard!**



- Ensure that the device is unplugged, prior to performing any cleaning work (disconnect from mains supply). Do not spray the device or into the electrical components. **Electric shock hazard!**



- Do not leave any packaging (cardboard, styrofoam, etc.) lying around for the safety of your children. Do not allow small children to play with the plastic film. There is **choking hazard!**

3 Components and scope of delivery

The scope of delivery includes the control device with TFT-touch display with an integrated temperature sensor rod, a 24V power cable including international connectors (Europe, USA, GB, Australia), a solenoid valve with 2m control cable and connection G1" IG for connection on tank end as well as Gardena coupling to connect a hose. A NW10 support as well as a temperature sensor sleeve (item no.: 64071) are not included but are a prerequisite for operation.



4 Technical data

Power connection:	24 V DC – 1A
Casing:	Aluminium milled and painted
Dimensions:	W 16cm x H 13.5cm x D 3.5cm/ 25cm with sensor
Connections:	Power supply, 2 x solenoid valve connections for cooling/heating cycle, WLAN module, temperature sensor

5 Disposal



Definition of the “Dust bin” symbol on the module: Help conserve our environment and do not dispose of electrical devices with household garbage. Use the waste disposal sites intended for the disposal of electrical devices and hand over your electrical devices that you will no longer be using. Information on where the devices can be disposed of can be obtained from your town council or local government.

6 Assembly to fermentation tank



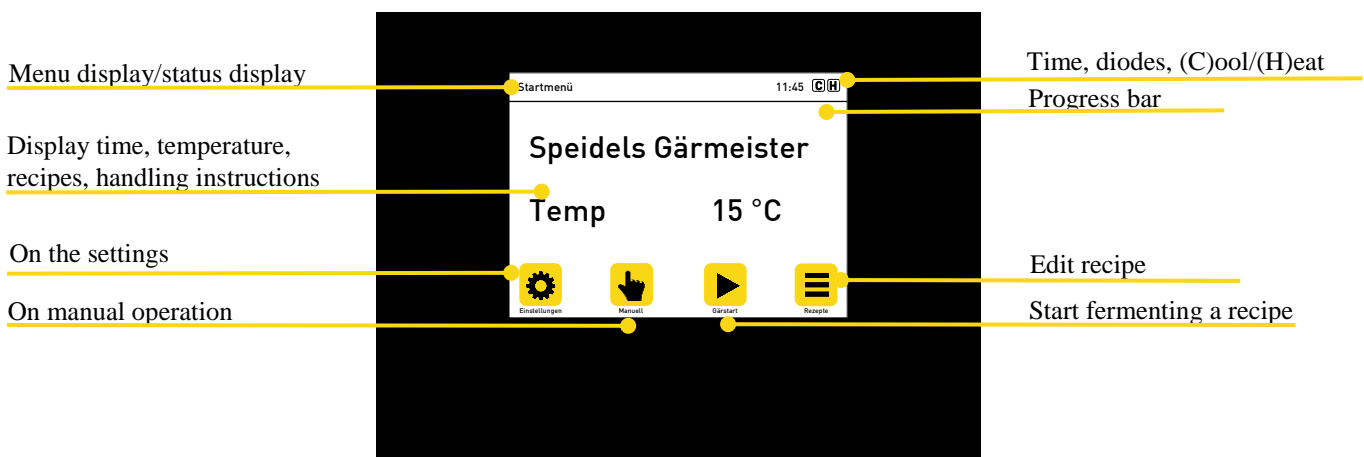
Insert the entire Gärmeister with the temperature sensor rod into the tank with the pre-assembled temperature sensor sleeve and secure the horizontal position with the rear safety screw.

Attach the solenoid valve onto the double jacket on the rear or on another cooling device on the tank. **IMPORTANT:** Observe the direction of flow of the cooling water through the solenoid valve, so that the cooling water flows through the solenoid valve into the double jacket.



Connect the solenoid valve with the COOL connection, if cooling is to be performed with the circuit. An optional, second solenoid valve could be controllable, e.g. for a heating circuit. Then connect the device with the power supply.

7 Information on the control device



Automatic mode: Press *Start* to start ferment measurement, select a recipe and start with *Select*. Then follow the instructions.

Recipes: In *Recipes* it is possible to save up to 10 recipes. 2 recipes are saved in the as-delivered condition. First, the arrow keys are used to select, re-create or delete a recipe. In order to change a recipe,

jump to the recipe with *Select*. The values/name can be changed with the arrow keys/keyboard. *Select* can be used to jump to the next recipe step until the end. A recipe is taken over and saved once all points of the recipe have been confirmed with *Select*.

Manual mode:

In the manual mode, the solenoid valve for the cooling/heating circuit can be manually switched. The top right symbols show whether the valve was activated. If it is yellow, it means it is on. If the symbol is only half yellow, the controller is activated but not open because the actual value is greater than the target value or vice versa. The target temperature can be set via the right button *Temperature* and then the existing arrow keys as well as *Select*.

Cancel:

You can return to the start menu from all operating modes (automatic/start brewing, recipes and manual operation) by pressing *Cancel*. The lighting elements in the automatic mode are red and a query on whether the process should be definitively cancelled or whether it should be continued will take place.

Via the customer portal www.myspeidel.com it is possible to develop, save and exchange brewing as well as fermentation recipes. Above all, it is also possible to manage the Gärmeister (brew master) and to monitor the fermentation process online. This requires the BRAUMEISTERmobil WLAN-module, which is available as an accessory. Furthermore, with the Gärmeister it is always possible to stay up to date with the latest firmware updates (*Functions will be activated from approx. autumn 2017*).

8 Use Gärmeister for fermentation

You can control your fermentation for wine/must/beer either by precisely maintaining a set temperature for infinite time (e.g. manual mode). Furthermore, fermentation recipes can be programmed under *Recipes*.



A fermentation recipe can be specifically named and it is possible to programme up to 5 phases with temperature and time in hours. Thus, fermentation or the yeast growth, for example, can be boosted with a higher fermentation temperature for e.g. 24 or 48 hours and the fermentation medium can then be lowered to an optimal fermentation temperature. Finally, prior to bottling after e.g. 200 hours, it is cooled back down to a low temperature in order to achieve an even better purification.

The 5 phases however, also enable an up and down of the temperatures, which could possibly have positive effects on a fermentation process.



Finally, it is possible for the user to implement his/her own findings into the fermentation or identify new findings in fermentation processes and to optimise its effect on the taste and quality of the beer, wine or must.

Prerequisite for cooling is a cooling aggregate or a circuit of cooling water with a significantly lower temperature than room temperature. While heating, a circuit with a significantly higher temperature. The higher the delta in the temperature, the quicker the process takes place. The aggregate must be adapted to the quantity of the fermentation medium. A useful Delta T is e.g. 10°C difference.

9 WLAN connection to MySpeidel

With the BRAUMEISTERmobil WLAN-module, the Gärmeister CONTROL can also transmit data to the customer portal www.myspeidel.com provided you have an account.

To do so, on the Gärmeister, go to the Settings and enter the access data for your router under WIFI. To do so, see instructions for the WLAN module. This is how the Gärmeister is connected to the internet. Under REGISTER the email address of the customer account of MySpeidel is entered.

The device is now recognised and must be added to the personal devices on the MySpeidel account. From now on the Gärmeister can be monitored, started and stopped via MySpeidel.

(Function activated from approx. autumn 2017)

10 Error rectification

Problem:	Problem solving
<i>Device is not starting</i>	Check the power supply and connection cable/plug
<i>Solenoid valve not switching</i>	Check whether the solenoid valve is completely inserted and screwed in and whether it is inserted into the correct position (Cool for cooling)
<i>Solenoid valve not switching correctly</i>	Is it inserted into the desired position (e.g. Cool for cooling)? For a correct switch, it is crucial to maintain the direction of flow of the cool medium through the valve.



11 Warranty conditions, processing

Conditions:

- Legal warranty conditions apply. The warranty period for consumers is reduced to the regulations for commercial customers, provided they use a suitable device for commercial use – even to some extent – in a commercial manner.
- Prerequisite for warranty claims with us or with one of our merchants is the consignment of a copy of the sales receipt. The below mentioned processing modalities apply to reviewing the warranty.
- For a quick processing of warranty claims, once defects have been detected, we must be notified of this in writing with an error description and if necessary, with photos.
- Warranty services are not provided for defects that are based on the non-observance of the instruction manual, improper use or normal wear and tear of the device. Warranty claims are also excluded for parts that break easily or consumables such as gaskets or the like. Finally, warranty claims are excluded if works are carried out on the device by parties who have not been authorised by us.

Processing:

If your device shows a defect within the warranty period, we ask that you inform us of your warranty claim. The fastest and easiest possibility is to return the device or the notice of defects to a responsible merchant/representative or directly to us:

Email to: verkauf@speidel-behaelter.de or via fax to: **0049 7473 9462 99**

Please inform us of your **complete address with contact details**. Furthermore, we require the **type designation** of the device under complaint, a short **error description with photos, if necessary, date of purchase (copy of the receipt)** and the **merchant** you purchased the new device from.

Upon examining your notice of defects, we will contact you as soon as possible to coordinate the further course of action. Under no circumstances must the device be returned with unfree shipment.





de	Sollte die beiliegende Betriebsanleitung nicht in einer für Sie verständlichen Sprache vorliegen, so kontaktieren Sie diesbezüglich bitte Ihren zuständigen Händler.
en	If you don't have a manual in any comprehensible language, please contact your local dealer or distributor.
fr	Si les instructions accompagnant dans une langue qu'ils comprennent, vous donc s'il vous plaît contacter votre revendeur local.
es	Si las instrucciones que acompañan estar en un idioma que comprendan, que por favor contacte a su distribuidor local.
pt	Se as instruções que acompanham estar em uma linguagem que eles entendem, você por favor contacte o seu revendedor local.
pl	Jeśli instrukcje towarzyszące są w języku, który rozumieją, tak, proszę skontaktuj się z lokalnym dealerem.
no	Hvis instruksjonene som følger med være på et språk de forstår, du så ta kontakt med din lokale forhandler.
fi	Jos ohjeet mukana olevan he ymmärtävät, olet niin ota yhteyttä paikalliseen jälleenmyyjään.
sv	Om instruktioner vara på ett språk de förstår, behaga dig så kontakta din lokala återförsäljare.
da	Hvis anvisningerne ledsager være på et sprog, de forstår, så du bedes kontakte din lokale forhandler.
it	Se le istruzioni che accompagnano in una lingua che capiscono, ti prego pertanto di contattare il rivenditore locale.
el	Εάν οι οδηγίες που συνοδεύουν να είναι σε γλώσσα που κατανοούν, σας γι 'αυτό παρακαλώ επικοινωνήστε με τον τοπικό σας αντιπρόσωπο.
hu	Ha a mellékelt használati utasításnak kell olyan nyelven, amit megértene, akkor ezért kérjük, forduljon a helyi forgalmazóhoz.
nl	Als de instructies die bij in een taal die zij begrijpen, je zo kunt u contact opnemen met uw lokale dealer.
ro	Dacă vă lipsește manualul de instructiuni într-un limbaj accesibil, vă rugăm să contactați distribuitorul local
ru	Если Вы не нашли инструкцию на доступном Вам языке, пожалуйста свяжитесь с вашим местным диллером или дистрибьютором.
sk	Ak Návodý príložený byť v jazyku, ktorému rozumie, si tak obráťte sa na miestneho predajcu.
sl	Če navodila, ki spremljajo, so v jeziku, ki ga razumejo, zato vas prosimo, obrnite na lokalnega prodajalca.
bg	Ако инструкциите, придружаващи се в разбираем за тях език, можете да се обърнете към местния дилър.
sr	Ако се прате упутства бити на језику који они разумеју, тако да вас молимо да се обратите свом локалном дистрибутеру.
hr	Ako upute prate se u jeziku koji razumiju, pa vas molimo da se obratite svojem lokalnom zastupniku.
cs	Pokud Návodý přiložené být v jazyce, kterému rozumí, jsi tak obraťte se na místního prodejce.
tr	talimatları anladıkları bir dilde olması eşlik ederseniz, bu nedenle yerel satıcınıza başvurun.
zh	如果指示随行在他们理解的语言，所以请您联系当地的经销商。
ja	命令は、彼らが理解できる言語になるに伴う場合は、そのお近くの販売店に連絡してください。
ko	지침 그들이 이해하는 언어에 동행하는 경우, 당신은 귀하의 지역 대리점에 문의하시기 바랍니다.
th	หากคำแนะนำการประกอบอยู่ในภาษาที่พวกเขาเข้าใจคุณดังนั้นโปรดติดต่อตัวแทนจำหน่ายในประเทศของคุณ
vi	Nếu các hướng dẫn đi kèm có trong một ngôn ngữ mà họ hiểu, bạn nên xin vui lòng liên hệ đại lý địa phương của bạn.