

USER MANUAL

MAGNETIC STIRRER

PCE-MSR 100L

ENGLISH



User manuals in various languages (français, italiano, español, português, nederlands, türk, polski) can be found via our product search on:
www.pce-instruments.com

PRODUCT BRIEF

Large capacity magnetic stirrer adopts international advanced design concepts and manufacturing technology. Its appearance is smooth and beautiful, the structure is compact and firm, it has a high degree of versatility, simple and convenient operability and other advantages, a rare instrument for scientific research experiments. This type of magnetic stirrer is mainly used in liquid mixing laboratories, mainly used to stir large capacity of low-viscosity liquids or solid-liquid mixtures. It can be rotated positive and negative, mixing more evenly, with a key lock function, making the experiment more safer.

PRODUCT INTRODUCTION

- 1 - Timing set
- 2 - Speed set
- 3 - Digital display
- 4 - Connecting cable
- 5 - Anti-corrosion working surface

PRODUCT DATA

Model	PCE-MSR 100L
Product name	Large capacity magnetic stirrer
Motor type	Brushless motor
Max stirring capacity	100 L
RPM range	100 ... 600 rpm
Speed accuracy	10 rpm
Timing range	1 min ... 24 h
Pan size	400x400 mm
Magnetic bar size	160 mm
Control mode	LCD+Knob
Shell material	Stainless steel housing
Machine power	120 W
Products size	400x400x85 mm



CORRECT USAGE

Application

- » Used to stir large capacity of low-viscosity liquids or solid-liquid mixtures.

Usage

- » It is widely used for the experiments in universities, environmental protection, sanitation, epidemic prevention, chemical industry, tap water, medical treatment and other organizations.

Steps for usage

- » Plug in and turn on.
- » Place the container in the center of working plate and put the magnetic stirring bar firstly.
- » Using the left knob to adjust the time and the right knob to adjust the speed.
- » Tap the left knob to switch forward and reverse function.
- » Tap the right knob to start and stop.
- » **Note: Put the magnetic stirring bar firstly before starting.**

WARNING! Instrument using environment

- » Indoor use
- » Altitude: ≤ 2000 m
- » The working temperature range of the instrument is $+5^{\circ}\text{C} \dots +40^{\circ}\text{C}$
- » The applicable temperature range of the instrument is $\leq 80\%$
- » There is no vibration and airflow that affect performance around
- » Keep a safety distance of 10cm before and after the instrument is working

WARNING! Safety Precautions

- » It is strictly forbidden to unplug and plug the power connector and toggle the power button when the hands are wet with liquid!
- » It is strictly forbidden to unplug the power plug when the instrument is live!
- » It is strictly forbidden to maintain and clean the instrument when it is powered on!
- » It is strictly forbidden to install the instrument on an uneven, swaying and vibrating work surface!

DISPOSAL

For the disposal of batteries in the EU, the (EU) 2023/1542 directive of the European Parliament applies. Due to the contained pollutants, batteries must not be disposed of as household waste. They must be given to collection points designed for that purpose. In order to comply with the EU directive 2012/19/EU we take our devices back. We either re-use them or give them to a recycling company which disposes of the devices in line with law. For countries outside the EU, batteries and devices should be disposed of in accordance with your local waste regulations. If you have any questions, please contact PCE Instruments.

PCE INSTRUMENTS CONTACT INFORMATION

Germany

PCE Deutschland GmbH
Im Langel 26
D-59872 Meschede
Deutschland
Tel.: +49 (0) 2903 976 99 0
Fax: +49 (0) 2903 976 99 29
info@pce-instruments.com
www.pce-instruments.com/deutsch

France

PCE Instruments France EURL
23, rue de Strasbourg
67250 Soultz-Sous-Forêts
France
Téléphone: +33 (0) 972 3537 17
Numéro de fax: +33 (0) 972 3537 18
info@pce-france.fr
www.pce-instruments.com/french

Spain

PCE Ibérica S.L.
Calle Mula, 8
02500 Tobarra (Albacete)
España
Tel. : +34 967 543 548
Fax: +34 967 543 542
info@pce-iberica.es
www.pce-instruments.com/espanol

United Kingdom

PCE Instruments UK Ltd
Trafford House
Chester Rd, Old Trafford
Manchester M32 0RS
United Kingdom
Tel: +44 (0) 161 464902 0
Fax: +44 (0) 161 464902 9
info@pce-instruments.co.uk
www.pce-instruments.com/english

Italy

PCE Italia s.r.l.
Via Pesciatina 878 / B-Interno 6
55010 Loc. Gragnano
Capannori (Lucca)
Italia
Telefono: +39 0583 975 114
Fax: +39 0583 974 824
info@pce-italia.it
www.pce-instruments.com/italiano

Turkey

PCE Teknik Cihazları Ltd.Şti.
Halkalı Merkez Mah.
Pehlivan Sok. No.6/C
34303 Küçükçekmece - İstanbul
Türkiye
Tel: 0212 471 11 47
Faks: 0212 705 53 93
info@pce-cihazlari.com.tr
www.pce-instruments.com/turkish

The Netherlands

PCE Brookhuis B.V.
Twentepoort West 17
7609 RD Almelo
Nederland
Telefoon: +31 (0)53 737 01 92
info@pcebenelux.nl
www.pce-instruments.com/dutch

United States of America

PCE Americas Inc.
1201 Jupiter Park Drive, Suite 8
Jupiter / Palm Beach
33458 FL
USA
Tel: +1 (561) 320-9162
Fax: +1 (561) 320-9176
info@pce-americas.com
www.pce-instruments.com/us

Denmark

PCE Instruments Denmark ApS
Birk Centerpark 40
7400 Herning
Denmark
Tel.: +45 70 30 53 08
kontakt@pce-instruments.com
www.pce-instruments.com/dansk

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