



青岛创梦仪器有限公司

Qingdao ChuangMeng Instrument Co., Ltd.

粘度计加热器

Viscosity Metering Heater

Подогреватель со счетчиком вязкости



使用手册

Instruction Manual

版本 1.0

Version 1.0

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请你仔细阅读《使用手册》，正确掌握本产品的安装和使用方法。阅读后请将本《使用手册》妥善保管，以备今后进行检修和维护时使用。

Carefully read this User Manual to learn how to install and use the product correctly. After reading, properly keep the User Manual as a reference for future maintenance and repair.

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1、概述 Introduction

粘度计加热器主要是为我公司生产的 1100 型、1102 型、1103 型、1122 型、1123 型、1104 型旋转粘度计配套使用，模拟井下钻井液的恒定温度进行流变参数的测量，也可以对其他流体进行加热恒温。该仪器广泛应用于石油，地质勘探等部门。

The viscometer heater is mainly used in conjunction with the 1100, 1102, 1103, 1122, 1123, and 1104 rotary viscometers produced by our company. It simulates the constant temperature of downhole drilling fluid for measuring rheological parameters and can also heat and maintain a constant temperature for other fluids. This instrument is widely used in departments such as petroleum and geological exploration.

2、型号及参数

名称 Name	技术参数 Parameter
电源 Power Supply	220V $\pm$ 5% 50/60Hz
功率 Power	300W
温度 Temperature	$\sim$ 93 $^{\circ}$ C

3、仪器的操作

- 1、接通电源，将调温旋钮调至零位。
- 2、将双金属温度计插入加热器左上方“温度表插孔”内，旋转调温旋钮，开始工作。



- 3、观察温度计的读数。当读数高于所需温度 10℃左右时，调整旋钮，停止加热，加热器开始恒温。
 - 4、将样品，倒入样品杯，再将样品杯放入加热器内。
 - 5、将双金属温度计放入钻井液内，观察温度计的读数，当读数达到所需温度时，调整旋钮，样品杯恒温。
 - 6、将加热器置于六速旋转粘度计托盘的定位孔内，即可进行粘度测试。
1. Connect the power and adjust the temperature control knob to zero position.
 2. Insert the bimetallic thermometer into the "thermometer socket" on the upper left side of the heater, rotate the temperature control knob, and start working.
 3. Observe the reading of the thermometer. When the reading is about 10 °C higher than the required temperature, adjust the knob, stop heating, and the heater starts to maintain a constant temperature.
 4. Pour the sample into the sample cup, and then place the sample cup into the heater.
 5. Place the bimetallic thermometer into the drilling fluid and observe its reading. When the reading reaches the desired temperature, adjust the knob and keep the sample cup at a constant temperature.
 6. Place the heater in the positioning hole of the rotary viscometer tray to perform viscosity testing.

4、仪器的结构



5、仪器的维护与保养

- 1、清洗各部件并干燥待用，仪器置于干燥环境中。
- 2、移动、维修或保养仪器时。要轻拿、轻放，以免造成部件变形影响精度和使用。
- 3、如果样品液体或水溅落在仪器上时，应及时擦拭干净，避免电气受损，发生意外。

- 4、避免暴晒、雨淋、水滴。避免长期置于高温、滴湿环境中。

1. Clean and dry all components for later use, and place the instrument in a dry environment.
2. When moving, repairing, or maintaining instruments. Handle with care to avoid deformation of components that may affect accuracy and usability.
3. If the sample liquid or water splashes onto the instrument, it should be wiped clean in a timely manner to avoid electrical damage and accidents.
4. Avoid direct sunlight, rain, and water droplets. Avoid prolonged exposure to high temperatures and humid environments.



6、故障的判定与排除

故障 Fault	原因 Feason	排除方法 Exclusion method
加热指示灯不亮。 The heating indicator light is not on.	氖灯坏。 The argon neon glow lamp is broken	更换氖灯。 Replace the argon neon glow lamp
加热器无温升或升温慢。 The heater has no or slow temperature rise.	加热棒烧坏。 The heating rod is broken.	更换加热棒 Replace the heating rod

7、一年备件（选购）

序号	编 号	名称及规格	单位	数量	备 注
1		加热棒 Heating rod120W	只	3	
2		双金属温度表（0~200℃） BIMETAL THERMOMETER	支	1	



青岛创梦仪器有限公司 装箱单

Qingdao Chuangmeng Instrument Co., Ltd. Packing list

生产企业：青岛创梦仪器有限公司

Manufacturing enterprise: Qingdao Chuangmeng Instrument Co., Ltd.

生产地址：青岛市城阳区流亭街道兴海路 3 号

Production address: No. 3 Xinghai Road, Liuting Street, Chengyang District, Qingdao

主机型号：

Model :

出厂编号：

Manufacturing No:

序号 No	编号	名称及规格 Name and specification	数量 Quantity	备注 Remarks
1		主机 Main engine	1	
2		电源线 Power cord	1	
3		泥浆杯（不锈钢） Mud cup (stainless steel)	1	
4		双金属温度计（0~200℃） Bimetallic thermometer（0~200℃）	1	
5		使用手册 Instruction Manual	1	
6		合格证 Certificate	1	



产品合格证

Product Quality Certificate

出厂编号:

Manufacturing No:

产品名称:

Description:

产品型号:

Model:

检验标准:

Standard:

生产日期:

Date of Manufacture:

产品编号:

Product Code:

结论: Conclusion:

经检验, 青岛创梦仪器有限公司生产的产品符合上述标准的要求。准予出厂。

After inspection, Qingdao Chuangmeng Instrument Co., Ltd The products produced meet the requirements of the above standards. Approved for delivery.

本企业通过: ISO014004 环境管理体系认证;

ISO9001:2015 质量管理体系认证;

ISO18000 职业健康安全管理体系认证质检科;

QC Department: