



# 校准证书

## CALIBRATION CERTIFICATE

证书编号 DYQ202300043  
Certificate No.

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委托方 优利德科技(中国)股份有限公司  
Client

委托方联络信息 东莞市松山湖高新技术产业开发区工业北一路6号  
Contact Information

计量器具名称 无线高压卫星授时远程核相仪  
Description

型号/规格 UT269D  
Model/Type

制造厂 优利德科技(中国)股份有限公司  
Manufacturer

出厂编号 C22447485 设备管理编号 ----  
Serial No. Equipment No.

接收日期 2023 年 01 月 06 日  
Date of Receipt Y M D

结果 见校准结果  
Results Shown in the results of calibration

校准日期 2023 年 01 月 13 日  
Date of Calibration Y M D

批准人 戴伟  
Approved Signatory

核 验 古颖  
Reviewed by

校 准 李华杰  
Calibrated by

证书专用章  
Stamp



扫一扫查真伪



# 说 明

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## DIRECTIONS

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1. 本中心是国家市场监督管理总局在华南地区设立的国家法定计量检定机构, 本中心的质量管理体系符合 ISO/IEC 17025:2017 标准的要求。

This laboratory is the National Legal Metrological Verification Institution in southern China set up by the State Administration for Market Regulation. The quality system is in accordance with ISO/IEC 17025:2017.

2. 本中心所出具的数据均可溯源至国家计量基准和/或国际单位制(SI)。

All data issued by this laboratory are traceable to national primary standards and/or International System of Units (SI).

3. 校准地点、环境条件:

Place and environmental conditions of the calibration:

地点 本院电磁实验室

Place (Electrics-magnetics Lab)

温度 (19~21) °C

Temperature

相对湿度 (50~60) %

R.H.

4. 本次校准的技术依据:

Reference documents for the calibration:

FFD1437-2021 无线核相仪校准方法 C.M. for Wireless Phaser

5. 本次校准所使用的主要计量标准器具:

Major standards of measurement used in the calibration:

设备名称/型号规格

Name of Equipment

/Model/Type

高压核相仪检测装置

High Pressure Nuclear Phase

Detector Detection Device

/YC-HXY001

编号

Serial No.

11200002S

证书号/有效期/溯源单位

Certificate No./Due Date

/Traceability to

DYQ202200098

/2023-01-18

/本中心

计量特性

Metrological

Characteristic

交流电压:  $U_{rel}=0.03\%$ , 相位:

$U=0.16^\circ, k=2$

Voltage:  $U_{rel}=0.03\%$ , Phase:

$U=0.16^\circ, k=2$

注: 1. 本证书校准结果只与受校准仪器有关。The results relate only to the items calibrated.

Note: 2. 未经本机构书面批准, 不得部分复制此证书。This certificate shall not be reproduced except in full, without the written approval of our laboratory.

3. “委托方”、“委托方联络信息”由委托方提供, “制造厂”、“型号规格”、“出厂编号”以及“设备编号”为仪器上标注, 委托方对上面内容如有异议, 须在收到证书后二十个工作日内提出。

The information Client and Contact Information are provided by client, and the Manufacturer, Model/Type, Serial No. and Equipment No. are marked on the items. Client shall submit any objection within 20 working days after receiving the certificate for the information above.

4. 本次校准日期视为发布日期。The calibration date is the date of issue of the certificate.



# 校准结果

## RESULTS OF CALIBRATION

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1 外观 (Apparent inspection): 符合要求 (Pass)	
2 核相功能试验 (Phase detection): 符合要求 (Pass)	
相位为0°时, 应指示同相; 相位为120° 和240° 时, 应指示不同相。	
3 相位测量(Phase test):	
示值	标准值
Indication	Reference Value
0.8°	0.0°
32.7°	30.0°
63.6°	60.0°
94.4°	90.0°
123.0°	120.0°
152.2°	150.0°
180.8°	180.0°
234.8°	240.0°
295.3°	300.0°
327.3°	330.0°
4 临界角测量(Critical angle test):	
示值	实际值
Indication	Reference Value
30.5°	29.0°





# 校准结果

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说明:

Note:

1 本次测量结果的扩展不确定度:

The Expanded Uncertainty of Measurement:

临界角  $U=2.0^\circ$

相位  $U=2.0^\circ$

包含因子  $k=2$

Critical angle

Phase

Coverage factor

本证书中给出的扩展不确定度依据JJF1059.1-2012《测量不确定度评定与表示》评定,由合成标准不确定度乘以包含概率约为95%时对应的包含因子 $k$ 得到。

The expanded uncertainty given in this certificate is evaluated according to JJF1059.1-2012 "Evaluation and Expression of Uncertainty in Measurement", which is obtained by multiplying the combined standard uncertainty by the coverage factor  $k$  corresponding to the coverage probability of about 95%.

2 测试条件为10kV电压等级, X显示器读数。

3 由于复校时间间隔的长短是由仪器的使用情况、使用者、仪器本身质量等诸因素所决定的,因此,送校单位可根据实际使用情况自主决定复校时间间隔。更换重要部件、维修或对仪器性能有怀疑时,应及时校准。

Since the calibration interval is determined by the use of the instrument, operation of the user, the quality of the instrument itself and other factors, there-calibration date can be decided by the user according to the actual situation. In case of replacement of important parts, maintenance or doubt on the performance of the instrument, it shall be calibrated in time.