



证书编号: 2015-C-12910
Certificate No.

Shanghai Electric Tool Research Institute Center of Measurement and Calibration
The Tenth Metering and Measuring Center Station of Mechanical Industry (Shanghai)

上海电动工具研究所计量校准中心 机械工业第十计量测试中心站 (上海) 校准证书

CALIBRATION CERTIFICATE

委托者 湖北易瓦特科技有限公司
Customer

委托者地址 武汉市江岸区石桥一路6号科技创业中心2号楼一层
Add. of Customer

委托书编号 2015-03103
Order Number

器具的名称 输电线路工频参数测试仪
Description of Instrument

制造厂商 杭州高电科技有限公司
Manufacturer

型号/规格 CT6200
Model/Type

器具编号 1509057
Number of Instrument

受样日期 2015.09.23
Date of Sampling

受样方式/地点(单位) 现场
Way & Place (Organization) of Sampling


杭州高电
王

专业高电压试验
校准典范

Professional high voltage test

高压测量仪器智造 | 电力试验工程服务

地址: 上海市宝庆路10号 电话: (021)64314612 (021)64331431 传真: (021)64331130 邮编: 200031
Address: No. 10 Baoqing Rd., Shanghai Tel.: Fax: Post Code:

本证书提供的结果仅对本次被校的样品有效。
It's effect that the result of this certificate only for the sample(s) Calibrated.
本实验室获中国合格评定国家认可委员会认可。认可证书编号为: L6025
SETRI has been accredited by China National Accreditation Service for Conformity Assessment. The number of the Certificate is L6025
本实验室获上海校准实验室评审中心认可。认可证书编号为: SJ016
SETRI has been accredited by Shanghai Calibration Laboratory Audit Center. The number of the Certificate is SJ016.



校准
CNAS L6025
机量 (2015) 10 号
Shanghai Electric Tool Research Institute Center of Measurement and Calibration
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1. 校准依据

Calibration Specification
JJG (机械) 141-93 多功能电参数分析仪检定规程
SETRI/JJF019-2002 多功能电参数分析仪校准规范

2. 本次校准所使用的主要计量标准器(组):

Main standards of measurement used in this calibration

名称 Name	型号 Type	出厂编号 Ex-factory No	测量范围 Measuring range	准确度/等级 Accuracy/Class	证书编号/有效期限 Certificate No/ Due Date
交流多功能校准仪	XF30-II a	E-17-274	ACV: 0~1000V (40Hz~70Hz)	ACV (40Hz~70Hz): ± (0.03%RD+0.02%FS)	2014F11-10-002148 2015.10.28
			ACI: 0~100A (40Hz~70Hz)	ACI (40Hz~70Hz): ± (0.03%RD+0.02%FS)	
			ACW: 0~100kW (40Hz~70Hz)	ACW (40Hz~70Hz): ± (0.07%RD+0.03%FS)	

以上计量标准器具的量值溯源至国家基准。

Quantity values of above measurement standards in this calibration are traced to those of the national primary standards in the P.R. China.

3. 校准的地点、环境条件:

Place, time and environmental condition of this calibration

地点: 西湖科技园西园八路2号

Place

温度: 20°C

Temp

湿度: 50%RH

R.H.

其它: /

Others

4. 测量结果的不确定度、限制使用范围及条件:

Uncertainty of the measurement results, limiting range and condition in used

本次测量结果的不确定度:

Uncertainty of the measurement results

AC I: 0~100A $U_{rel}=0.10\%$ ($k=2$)

AC V: 0~1000V $U_{rel}=0.08\%$ ($k=2$)

AC W: 0~100A/0~1000V $U_{rel}=0.08\%$ ($k=2$)

限制使用范围及条件: ——

Limiting range and condition in used

5. 其它:

Other

本次校准只对所给数据有效。

The calibration results presented in this report relate only to the item calibrated.



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校准数据 / 结果

Data / Results of Calibration

1. 外观检查: 正常

2. 电压校准:

功能	量程	实际值 (kV)	被校仪器示值 (kV)		
			U_a	U_b	U_c
AC V	500V				
f=50Hz		0.0100	0.0100	0.0100	0.0100
		0.0200	0.0199	0.0199	0.0199
		0.0500	0.0499	0.0499	0.0499
		0.1000	0.0999	0.0999	0.0999
		0.2000	0.1998	0.1999	0.1998
		0.5000	0.4995	0.4995	0.4995

3. 电流校准:

功能	量程	实际值 (A)	被校仪器示值 (A)		
			I_a	I_b	I_c
AC I	50A				
f=50Hz		1.0000	1.0011	1.0009	1.0010
		2.0000	2.0026	2.0022	2.0027
		5.0000	5.0030	5.0029	5.0025
		10.000	10.002	10.004	10.009
		20.000	20.005	20.005	20.009
		50.000	50.009	50.008	50.012

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4. 功率校准:

功 能	电压值 (V)	实际值 电 流 值 (A)	功率值 (W)	被校仪器示值 (W)		
				P _a	P _b	P _c
AC W	500	1	500.00	500.07	500.09	500.09
cos φ=1.0		5	2500.0	2500.5	2500.5	2500.4
f=50Hz		10	5000.0	5000.7	5000.9	5000.8
		20	10000	10001	10000	10000
	100	50	5000.0	5000.7	5000.7	5000.7
	200		10000	10000	10000	10000
	300		15000	15001	15002	15002
	400		20000	20004	20005	20004

校准结果内容结束

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