

QMT-2A motor tester

QMT-2A 系列电机综合测试台

This machine is applied to test steel casing motor such as pump, fan, air-condition motor, mower, paper shredder and refrigerator etc. Its LCD shows all technical data which obtained by industrial control computer, which check and verify the quality of testing stator.

本检测设备适用于各类水泵、风扇、空调电机、割草机、碎纸机、盘管、洗衣机等铁壳电机之综合测试，采用工业控制计算机，自动检查判定试品电机之良否，测试数据显示于液晶显示器上。

Machine specification

No 序号	Testing item 测试项目	Testing Voltage 测试电压	Testing range 测试范围	Testing precision 测试精度	Testing way 测试方式	Verify way 判别方法
1	electrical strength 电气强度	AC100~5000V	0.5/1/2/5/10mA	±0.5%	Between coil and core 线圈与铁芯之间	When testing value higher or lower than setting value is taken as reject, The software will give acousto-optic alarm accordingly. 当测试值高于或低于设定值时，判定为不良品，并由测试软件输出为声光报警。
2	Insulation resistance 绝缘电阻	DC500V	10~500MΩ	±1.0%	Between coil and core 线圈与铁芯之间	
3	DC resistance 直流电阻	1.8/18/180mA	0.01~1.999Ω	±0.5%	Between winding and winding 绕组与绕组之间	
4	Between turns insulation 匝间绝缘	DC100~5000V	0~100	±1.0%	Test each winding respectively 各绕组分别测试	
5	No-load current 空载电流	220V/50HZ 110V/60HZ motor	0~2A~10A	±0.5%	Test each gear respectively 每档位分别测试	
6	No-load power 空载功率		$U \cdot I \cdot \cos\Phi$	±0.5%	Test each gear respectively 每档位分别测试	
7	capacitance-voltage 电容电压		0~600V	±0.5%	Between main phase and subsidiary	

					phase 主相与副相之间	
8	locked current 堵转电流		0~2A~20A	±1.0%	motor start data 电机启动之数据	
9	Brake time 刹车时间		0~3s	±0.5%	motor cut static time 电机断电静止时间	
10	Motor rotating speed 电机转速		0~6000rpm	±1.0%	optical fiber induction output 光纤感应输出	
11	PG test PG 测试	duty cycle, frequency, High level, ground level 占空比、频率、高电平、地电平		±1.0%	PG outgoing line PG 引出线	
12	Ground resistance 接地电阻	DC25A	1~600mΩ	±0.5%	between housing grounding line 外壳与接地线之间	
13	Leakage current 泄露电流	0~250V	0.1~50mA	±0.5%	Between housing and main, high gear 外壳与主、高档之间	
14	Motor rotation 电机转向	0~250V	CW, CCW or stop 正转、反正或不转		Main phase and high gear 主相与高档	

(Testing item has some differences when the type is different)

(测试项目根据电机品种不同测试项目有所差异)

Main feature:

- 1.All test items of electrical performance are done automatically at one time fast.
- 2.Each test items could be on or off randomly. Approval standard also could be set up randomly. The machine will give acousto-optic alarm for reject motor.
- 3.Auto statistics the quantity and qualified rate, reject motor statistics classification

- 4.Single station/double station can be chosen, with high utility and testing efficiency
- 5.Withstand Voltage and between turns voltage can adjust by manual or automatic.
- 6.System switch part use imported high voltage vacuum steel spring tube relay, withstand voltage 10000V,work test 100000000 times
- 7.Customer can do item programming automatically as per testing requirement.
- 8.It can save, edit, call kinds model stator and check data specification automatically.
- 9.Machine can add bar code scan function as per customer requirement, input bar code when checking, the testing data will show on the screen.

- ．电机全部电气性能测试项目一次性高速自动完成；
- ．各检测项目可任意开通或屏蔽，并可任意设定判定的合格标准，遇检测结果数据超标自动声光报警；
- ．自动统计数量及合格率，不良品故障分类统计；
- ．单工位 / 双工位可选，极高的实用性及测试效率；
- ．客户可以根据测试要求自动进行项目编程；
- ．电压调节方式可选择手动或自动调节方式；
- ．系统切换部分采用进口高压真空钢簧管继电器，耐压壹万伏，工作测试壹亿次；
- ．可存储、编辑、调用各种型号规格电机自动检测数据标准；
- ．设备可根据客户需求增加条码扫描功能，查询时输入条码，测试数据显示在屏幕上。