InfraDye
Infrared Lab Dyeing Machine

The InfraDye is designed to dye samples quickly and at a low cost. In order to reduce dyeing errors, textile manufacturers need lab dyeing machine for testing samples before dyeing large batches. In addition, fabric dyeing laboratories also need these machines for dyeing studies.

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▪ **Longer service life**
Solid state relay control electric heating, no mechanical contact, long service life. The mechanical shell is made of stainless steel powder coating process, the mechanical interior is made of high quality SUS304 stainless steel, and the dyeing cup is made of SUS316, which is durable.

⚡ **Power**
230V 50Hz 32A

🏋 **Weight**
145 kg

📏 **Dimension**
710*840*750mm (D*W*H)

▪ **Smart temperature control algorithm**
Achieving different test temperatures, suitable for all kinds of dyeing with room temperature and high temperature.

▪ **Multiple dyeing solutions**
Can be realized at one time: different specimens can be dyed in different cups.

▪ **Smart instrument**
Can be connected through Wi-Fi with SmarTexLab App installed in the smart phones, set parameters, monitor the test status, receive equipment warning reminders, replenishment reminders, etc., and share test results with one click.

▪ **User-friendly, convenient and efficient**
Microcomputer control, simple operation, automatically retain the current data in case of power failure, the running process can be edited, and the buzzer automatically alerts after the test is completed.

▪ **Stable, durable and noiseless**
The transmission mechanism is upgraded to rotary operation, which is more stable, more durable and noiseless.

▪ **Multiple safety protection**
Such as over-temperature alarm function and automatic stop of rotating cup holder when the door is mistakenly opened.

▪ **Temperature calibration function**
Can avoid the temperature differences caused by the aging of the probe.

Specifications

Test temperature range room temperature	0°C ~ 140 °C
Temperature control range room temperature	25 °C ~ 140 °C
Heating temperature control speed	0.1 °C / min ~3 °C / min
Temperature control accuracy Isothermal state	± 0.5°C/min
Temperature control mode	optimized automatic control
Rotational speed	0 ~ 50 rpm (adjustable)

Accessories

test cup volume	300±20ml 24pcs
T-socket wrench	1 pc
stainless steel copy wrench	1 pc
Fuse	4 pcs
Gloves	1 pc

Optional Accessories
Heating tube