

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Kuhner LT-W Lab Therm* at our website: ***Click HERE***

Lab-Therm LT-W

Table Top Incubator Shaker

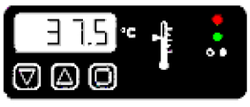
- Loading: 1 tray size "E" (420 x 420mm)
- Temperature control: 5°C to 80°C
- Shaking diameter: 12.5 / 25 / 50mm
- Shaking motion: orbital or linear
- Shaking speed: 20...500 rpm
- Direct drive system
- Large window for better observation
- Door switch for added safety
- All stainless steel interior
- Lighting by fl-tube
- Interface System
- ISIS-Software

Lab-Therm without cooling system:
temperature range: (ambient+ 5°C) to 80°C

Lab-Therm with cooling system:
temperature range: 5°C to 80°C

The temperature control of the Lab-Therm operates on the principle of direct air heating and cooling. The air is drawn in at the rear bottom and passed by the powerful fan into the circulation duct at the back wall. There the air flows first past the evaporator of the refrigerator and then past the enclosed electrical finned heater and returns at the top into the chamber.
Electronic, fully digital PID control incorporating a microprocessor ensures exact matching of the heater power and accurately maintains the desired temperature.
The cooling machine is controlled intelligently and optimized for minimum energy consumption depending on ambient temperature and set value.

Temperature control



Electronic, fully digital PID control incorporating a microprocessor accurately maintains the desired temperature.
The refrigerator system is controlled intelligently and self adapting for minimum energy consumption depending on ambient temperature and set point.

- Temperature minimum : 5 °C above ambient
- ... with refrigerator : 20 °C below ambient, min. +5 °C
- Temperature maximum : 80 °C
- Temperature accuracy : ± 0.30 °C, absolute (at place of sensor)
- Temperature accuracy : ± 0.02 °C, relative (at place of sensor)
- Temperature indication : ± 0.1 °C, digital
- Temperature control : PID, digital
- Temperature probe : RTD (Pt-100, class "A" DIN IEC 751)
- Linearisation : table, digital

Direct Drive

With the Direct Drive, the speed of the motor is the same as the speed of the containers being shaken. There is no mechanical power transfer e.g. by friction wheels, no belts that can break down and no other mechanical wear and tear. The advantage is little noise and less power consumption due to less mechanical friction. In addition there is no false reading of shaker speed because of slipping belts.
The stator of the direct drive consists of DC electro magnets and sensors, while the rotor is equipped with permanent magnets. The electro magnets of the stator are directly switched by the controller, depending on the position of the rotor. No sparking can occur due to this brush less system.

Quartz precise speed regulation is achieved by microprocessor control. Speed is kept constant irrespective of load.

- Speed accuracy : ± 0.1 rpm
- Speed indication : ± 1.0 rpm, digital

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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