

# QMAX TESTER

Models



on-site testing device

## METAL COVER

Galvanized  
Powder coated

## TEMPERATURE SENSORS

WIKA Pt100 resistance  
thermometers

## WATER PRESSURE METER

0-400 kPa

## RUBBER WHEELS

Durable,  $\varnothing$  175 mm

## ELECTRICAL CONNECTION

230 V AC, Euro plug

## MULTIPLE HOLDERS

Durable metal holder for flexible  
manipulation

## MULTIPLE HOLDERS

Durable metal holder for  
flexible manipulation

## DISPLAY

24x75 mm

## FLOW METER

inductive  
Krohne Optiflux 2050

## WATER CONNECTION

DN50

COEFFICIENT  
OF  
PERFORMANCE  
**COP**

WATER  
TEMPERATURE  
IN/OUT  
**°C**

ENERGY  
EFFICIENCY  
RATIO  
**EER**

HEATING/  
COOLING  
OUTPUT  
**kW**

WATER  
FLOW  
**m<sup>3</sup>/h**

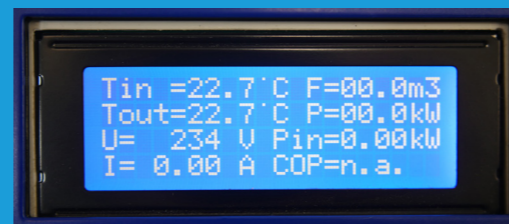
POWER  
CONSUMPTION  
**kW**

**30%**  
LOWER  
ENERGY  
BILL

\*Based on 2016 review and ISO 17025 lab testing of respective products by various manufacturers.

Qmax Tester is a unique device for on-site testing and heat pump optimisation. Capable of independently performing various performance measurements, Qmax Tester is primarily designed to optimise particular heat pump's installation. With Qmax Tester it is possible to adjust and optimise the water flow for a particular heat pump in real time. It can be applied to brand-new or existing installations, increasing the actual performance of a heat pump by up to 30% without the change in power consumption.

Microwell reserves the right to change the technical data without notice.



	Power supply	Consumption	Water flow	Heat pump power supply	Heat pump current	COP	Net unit dimensions (W x H x D)	Net weight
<b>SERIES</b>								
Qmax Tester	230V/50Hz	5W	0-20 m <sup>3</sup> / h	U=230V/ 50 Hz	I=0-20A	0-20 (by no heat pump current shows n.a.)	944 x 593 x 449 mm	33.2 kg



MICROWELL Qmax Tester is a unique device designed for on-site testing and heat pump optimisation. Qmax Tester detects false heating data and poor installation and adjusts water flow without the need of dismantling the heat pump and taking it to the special testing facility. Serving as a true pool specialist, it independently delivers various performance measurements.

#### NO MORE FALSE

One of the most problematic aspects of today's industry are misleading performance results. Heating outputs and COPs are unreliably increased by up to 40%. This harms both the consumer and the heat pump's image. To disclose false claims and to show real data, Microwell has designed Qmax Tester.

#### TRUE RESULTS

Qmax is connected to water way between the heat pump and the pool. As the water flows through the device, Qmax performs detailed testing, displaying all technical data and performs full optimisation of the heat pump. In no more than 15 minutes!

#### PERFORMANCE OPTIMIZATION

QAfter Qmax Tester is connected to swimming pool waterway between heat pump and outlet and water flows through the device, it begins measuring heat pump's performance. In only a few minutes it delivers detailed measurement, and reads off six different measurements;

Coefficient of performance (COP), Energy efficiency ratio (EER), true heating or cooling output (kW), heat pump power consumption, water temperature and water flow in m<sup>3</sup>/h.

#### DIGITAL DISPLAY

Qmax Tester is equipped with 4" digital display, on which 6 different measurements and 8 different values are shown in real time.

**Qmax Tester. Setting the quality of pool performance.**

ON-SITE TESTING AND MEASURING DEVICE



# QMAX Tester