

Quality Assessment of Dielectric Liquids

Test Cell Heater LCM-8716-H



The **Test Cell Heater LCM-8716-H** is an accessory for the Conductivity Meter For Liquids LCM-8716. It permits the easy heating of the insulating liquid under investigation in the test cell without the threat of introducing contamination. It is based on direct heat transfer through a minute air gap between the massive heater and the cell wall. The temperature measurement is made in the middle of the liquid under investigation and the temperature change rate at the setpoint is such, that the temperature gradient is negligible. The heating power is controlled by a so called PID controller with well adjusted parameters featuring rapid heating without inconvenient temperature overshoot.

Specifications Test Cell Heater LCM-8716-H	
temperature range	5 °C above room temperature to 90 °C, 0.1 °C resolution (optionally to 120 °C)
resolution of temperature indication	0.1 °C
uncertainty of temperature measurement	± 1 °C (can be calibrated to ± 0.1 °C)
heating duration for 20 °C to 90 °C	≤ 30 min.
thermometer	Pt 100, stainless steel rod of 6mm
power supply	220 to 240 Vac nominal, 200 W max (or 110 to 130 Vac, specify when ordering)
weight	2 kg
size	22.5x 15x 11.5 (width x depth x height in mm)
cables	power supply cord

specifications subject to change without notice