

TEK500

Microwave Leakage Detector Kit



Key features

- Simple pass / fail leakage detection
- Complies with latest standards
- Self test feature
- Power output testing accessories
- Two beakers, thermometer and carry case included

The Martindale TEK500 is a PASS/FAIL microwave leakage detector for testing both commercial and domestic microwave ovens. The unit is designed to comply with harmonised European standards on permitted exposure levels and it will indicate leakage levels by a simple to use traffic light system which illuminates bright LEDs.

There is a self-test feature which simulates a real microwave input, in order to ensure the unit is working correctly at all times. The leakage tester will indicate at 1, 5 and 10mW/cm², in accordance with EN5175.

The full test procedure for microwave ovens also includes checking that the microwave is heating correctly. The TEK500 includes a second beaker and digital thermometer with simple instructions for checking power output to achieve full compliance with the requirements.

The microwave leakage detector kit is supplied with the leakage detector, two beakers, digital thermometer, carry case, instruction manual and battery. The manual includes the calculations to apply when measuring the microwave output.



Keeping You Safe

TEK500

Microwave Leakage Detector Kit

FUNCTION	TEK500
ELECTRICAL	
Frequency of operation	2450MHz $\pm$ 25MHz
Threshold Accuracy	$\pm$ 1dB for planewave of all polarisations
Cardinal points	>1mW/cm ² , >5mW/cm ² , >10mW/cm ²
Response to step input	2-3 seconds to reach 90% of steady state indication
Overload capacity	50mW/cm ²
Indicators	LED (green) – battery OK LED (yellow) – 1mW/cm ² – acceptable microwave leak age below safety limit LEDs (red) at 5 & 10mW/cm ² and audible tone – hazardous microwave leakage above safety limit
Cone spacer	Prescribed test distance of 50mm is achieved when cone tip is in contact with appliance
ENVIRONMENTAL	
Temperature & humidity (Operating)	-5°C to 40°C, 10 to 80% R.H.
Temperature & humidity (Storage)	-10°C to 50°C, 0 to 80% R.H.
GENERAL	
Power	9V, PP3 alkaline battery (IEC 6LR61, NEDA 1604A)
Dimensions	145 x 64 x 30mm
Weight	164g (battery included)
SAFETY	
Conforms to	EN60335-2-25 and EN60335-2-90

Included

TM2 thermometer, 275mL beaker, 1 litre beaker, carry case, 1 x 9V battery, instructions

Related products

MICRO Microwave Test PASS PAT Test Label

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