

# Microwave leakage tester

## MLT 441, MLT 442 and MLT 443

- Supervision of the limit value for the microwave leakage radiation at 2450 MHz
- 1, 2, 3 or 4 test heads
- Measurable range 0..10mW/cm<sup>2</sup>  
(option 0..20 mW/cm<sup>2</sup>)
- Cyclical test of the function of the test heads
- Two safety relays with forcibly guided status contacts
- Separate status relay reports the operating state
- LC display to view the operating state and for the adjusting of the limit value and the user language
- Watchdog circuit for the supervision of the processor
- Digital adjusting of the limit value with programming keys in the range 0,5...10,0mW/cm<sup>2</sup>
- Number of used test heads is adjustable (1..4)
- Operating voltage:  
MLT 441 & MLT 442: 110..230 V AC  
MLT 443: 24 V DC
- MLT 441: Wall-mounted case with door for the simple refitting at existing microwave systems
- MLT 442: 19" case for using in a rack or as desktop device
- MLT 443: Case for the mounting rail
- Dimensions:  
- MLT 441: 300mm x 200mm x 80mm  
- MLT 442: 478mm x 295mm x 88mm  
- MLT 443: 195mm x 121mm x 55mm  
- Test head: Ø20,5mm x 80mm
- Made in Germany
- CE sign



MLT 441



MLT 442



MLT 443



Microwave sensor IP40 & measurement module

In the normal operation, the two safety relays are switched on and the connected microwave system is active. The status relay is also switched on. In the display appears "System ready" to report the normal operation.

At power on and during the normal operation, the components of the MLT 441/MLT 442/MLT 443 are permanently checked. If any error is noticed at this (e.g. short circuit, cable disruption or a defective test head), or a microwave leakage radiation is over the limit value, then all three relays are switched off immediately. After this the MLT 441/MLT 442/MLT 443 is locked.

In this operating state in the display appears a corresponding error message, which specifies the kind and the place.

From safety reasons, the MLT 441/MLT 442/MLT 443 must be switched off and on again, if an error was occurred.