

# DEFECTOSCOP MC 2.834



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## General Description

The **DEFECTOSCOP** Eddy Current test unit is known for its user friendly operation and its unique ability to connect Eddy Current Arrays (ECA) with up to 32 sensors to each of its 3 input modules. This permits up to a total of 96 sensors. Each module can operate up to 4 separate frequencies, either simultaneously or sequentially, driven by two independent channels.

## Technical Specifications

**Test frequency:** 10 Hz to 10 MHz

**Modular options:** 3 modules with 2 independent channels including multiplexing (up to 96 sensors)

**Clearance compensation:** possible for each individual sensor (up to 48 sensors)

**Simultaneous operation:** 3 modules with 4 independent frequencies each

**Sensors:** Single sensor/Arrays with up to 32 sensors in multiplexing mode and all coil configurations

**Position encoder:** one or two axis synchronization

**Preamplifier:** -24 to +36 dB in 0.5 dB steps adjustable for each module, input range  $\pm 15$  V to  $\pm 15$  mV

**Driver output:**  $\pm 16$  V; 10 mA to 1 A with adjustable current

**Sensitivity (digital scaling):**  $\pm 90$  dB independently adjustable per sensor in 0.5 dB steps

**Display:** TFT Touch Display with LED Backlight, 600 x 800 pixel, 26.4 cm (10.4") diagonal

**Screen views:** x/y, x/t, y/t, C-Scan (with unlimited user defined views)

**Outputs:** 3x USB 2.0, 1x RS232, 1x Ethernet 100 MBit/s, VGA, Audio In/Out, GPIO, 2x Analog

**Power supply:** up to 2 lithium ion rechargeable batteries (typ. operating time: 6-14h), mains (115/230V)

**Weight:** 4.3 kg (with 1 module and 1 battery)