

T|eddy systems operate highly efficient and reliable, worldwide.



Individual solutions from a single source

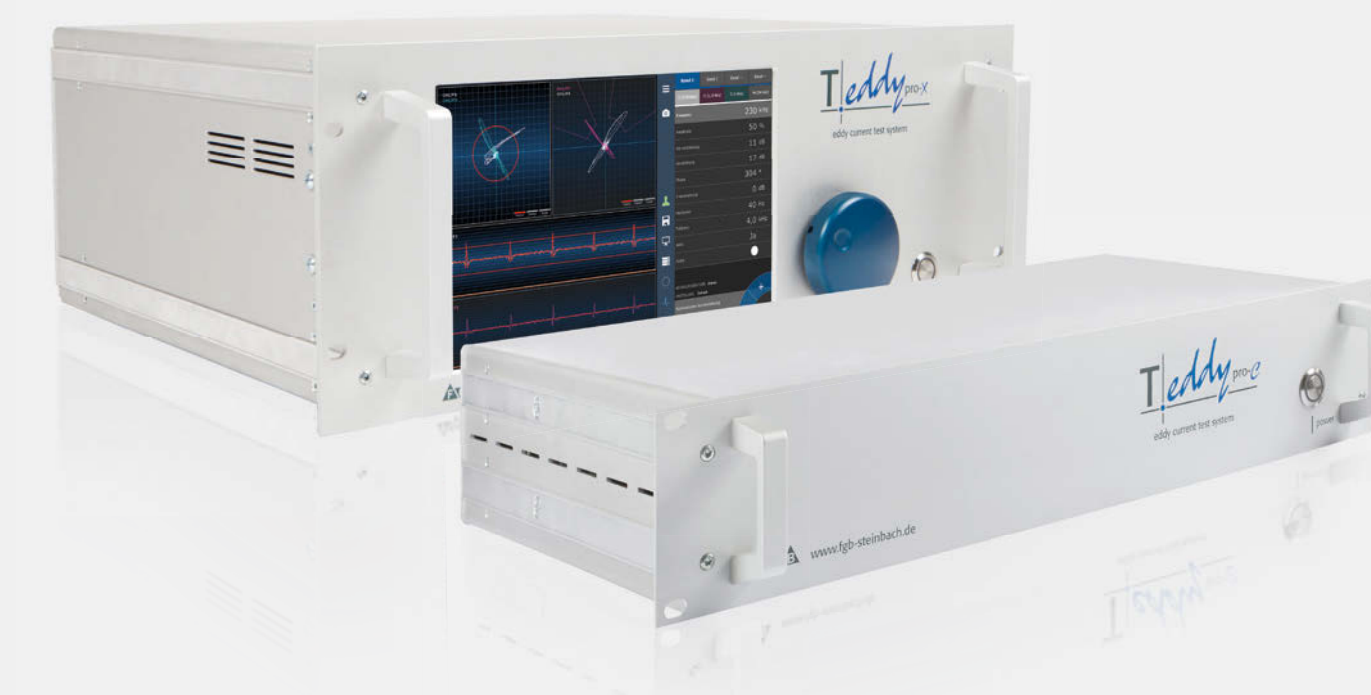
For more than 20 years FGB have been suppliers of high-performance, complex eddy-current testing systems for customers from a wide variety of industries. Today the company supplies individually tailored solutions that benefit customers all over the world. What is unique is that the overall process ranging from design engineering to manufacture, assembly, hard- and software development is all carried out in-house.



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T.eddy pro-series

Fully digital eddy-current testing system for crack inspection and sorting



T.eddy pro-X

Electronics

- Generator frequency: 10 Hz ... 5 MHz
- $U_{max} = +/- 10 V$
 - Fully digital generator and demodulator
 - Pregain: -30 dB ... 60 dB
 - Fully digital variable highpass-filter: [off] ... 10 kHz
 - Fully digital variable lowpass-filter: 10 Hz ... 10 kHz
 - Gain: -30 dB ... 60 dB
 - Phase rotation: 0° ... 360°
 - Y-spread: 0 dB ... 20 dB
 - Various realtime threshold types
 - Multi-frequency mode for each channel
 - Harmonic evaluation for each channel
 - Up to 4 channels per instrument



Interfaces

- LAN
- USB (2x) for keyboard, mouse, memory-stick
- Digital I/Os (24V) for inline integration
 - Sync-In / Sync-Out
 - Analog and digital encoder interface per channel
 - Ready for remote support, internet connection required

HMI

- TFT-Touch-Display (1680 x 1050 Pixel)
 - Jog-wheel for easy adjustment
 - Intuitive operation concept
 - User management
 - Multilanguage ready
 - Screenshot function on USB-memory-stick

Chassis

- W x L x H: 482 (19") x 440 x 178 (4U)
- Weight: ca. 9.5 kg
- IP30



T.eddy pro-C



Electronics

- Generator frequency: 10 Hz ... 5 MHz
- $U_{max} = +/- 10 V$
 - Fully digital generator and demodulator
 - Pregain: -30 dB ... 60 dB
 - Fully digital variable highpass-filter: [off] ... 10 kHz
 - Fully digital variable lowpass-filter: 10 Hz ... 10 kHz
 - Gain: -30 dB ... 60 dB
 - Phase rotation: 0° ... 360°
 - Y-spread: 0 dB ... 20 dB
 - Various realtime threshold types
 - Multi-frequency mode for each channel
 - Harmonic evaluation for each channel
 - Up to 4 channels per instrument

HMI

- Remote controlled by external PC (not included)
 - Software to be installed on external PC (included)
 - Intuitive operation concept
 - User management
 - Multilanguage ready

Interfaces

- LAN
- Digital I/Os (24V) for inline integration
 - Sync-In / Sync-Out
 - Analog and digital encoder interface per channel
 - Ready for remote support with external PC, internet connection required

Chassis

- up to 2 channels:
 - W x L x H: 482 (19") x 290 x 89 (2U)
- up to 4 channels:
 - W x L x H: 482 (19") x 390 x 89 (2U)
 - Weight: ca. 5 kg
 - IP30

