



EDDY CURRENT INSTRUMENT ECIS-CC-20

COMPUTER CONTROLLED EDDY CURRENT INSTRUMENT

High Performance EC Instrument

Computer Controlled NDT Instruments for Automated Testing Systems and more ...

With its powerful interface connectivity and the TecView™ EC software, the ECIS-CC-20 can be used for demanding automated eddy current testing of Aerospace components and MRO applications.

THE ECIS-CC-20 is a fully digital computer-controlled Eddy Current instrument. It is offered as a tabletop instrument and multiple units can be used to perform automated EC inspection at very high speeds and with multiple probes. The ECIS-CC-20 is developed with applicability in mind, with specifications that can meet the most challenging automated testing applications.

Features

All parameters with the exception of preamp are time-multiplexable : Frequency, drive voltage, rotation, X and Y gains, LPF, HPF

- High data throughput, up to 100000 samples/s per channel
- Selectable preamplifier for low signal applications
- High voltage & high frequency output drivers and receivers
- Wide range of output voltage and live input signal level indicator allow optimal drive level for different probes
- External trigger inputs allows record-on-position scanning
- Up to 8 time multiplexed frequencies
- Available in a rack-mount or desktop version
- Computer controlled via USB, Streams data while scanning
- Provided with SDK for Windows® 7 & 10
- Compatible with TecView™ EC for advanced scanning applications (optional)

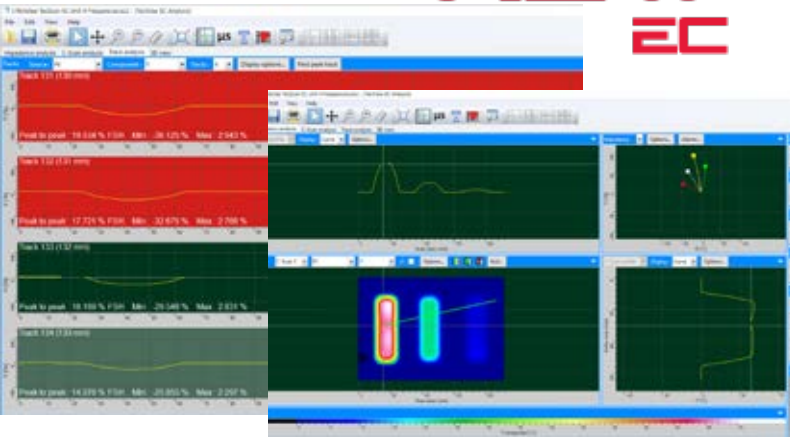


ECIS-CC-20
fast sampling &
data transfer



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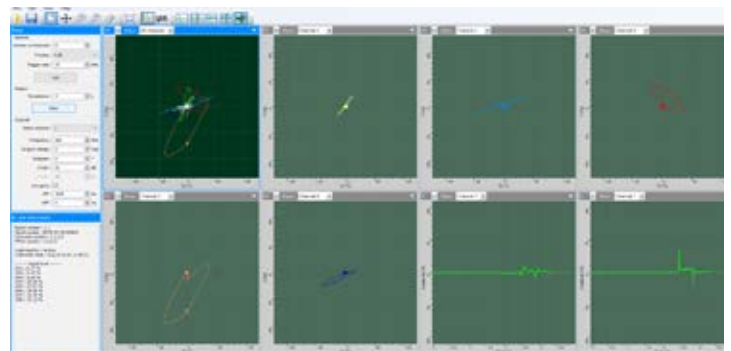
Tracks & C-scan imaging

Panel & SDK Software

- Windows® based control panel software
- SDK for Windows® 7 & 10
- Full control & customization
- Documentation & support
- Test utility and C++ code examples

TecView™ EC Features:

- Complete multi-tasking software
- Intuitive user-interface & menu
- Multiple frequency capabilities
- Real-time C-Scan
- Live alarms
- Real-time impedance & strip charts
- Imaging & analysis module
- Advanced reporting capabilities



Technical Specifications

Probe inputs	1 probe
Probe types	Absolute, differential, reflection
Number of frequencies	up to 8 time multiplexed
Frequency	10Hz to 20MHz
Rotation	0 to 360
Output voltage	0 to 20 Vpp
Gain	90 dB range 0.1 dB steps
Preamplifier	0 dB, 30 dB
High pass filter	0 to 10 kHz
Low pass filter	10Hz to 100kHz
Analog outputs	CH1 Horizontal, CH 1 Vertical (X1, Y1) CH2 Horizontal, CH2 Vertical (X2, Y2)
Analog output full scale	±10V
External trigger input	TTL compatible
Control interface	USB
Digital data output	16 bit, streaming via USB
Output for bolt-hole inspection	5V and 12V

