



Technical Specifications

ECTANE 3

Software Development Kit

Ectane®3's software development kit (SDK) enables users to externally control the Ectane 3 without Magnifi®

TYPICAL USES OF THE SDK ARE:

- Incorporating the Ectane into existing acquisition systems.
- Automating the Ectane to perform complex mechanical scans.

This SDK is intended for software developers wishing to create Windows® 10 32-bit applications to control the Ectane. The SDK was compiled with Microsoft Visual Studio 2019 (32 bits) and includes an API, code samples, a LabVIEW library, a simulator, and documentation. Also included with the SDK are 20 hours of remote technical support.

USING THE ECTANE SDK

Ectane's SDK allows controlling the test instrument:

- Connecting/Disconnecting communication link
- Updating firmware
- Loading setup
- Reading active setup
- Initializing/Aborting hardware nulling
- Starting/Stopping acquisition
- Obtaining data — e.g., eddy current, IRIS, encoder, and saturation information
- Reading/Controlling scanner connector digital I/Os

**The Software
Development Kit (SDK)
is an easy and powerful
solution to perform all
NDT operations.**

CODE SAMPLES

Ectane's SDK includes C/C++ code samples that cover simple acquisition functions such as connection, configuration loading, balancing, acquisition start, and disconnection.

LABVIEW SDK LIBRARY

Ectane's SDK comes with native LabVIEW functions for interfacing seamlessly with your projects in this environment.

SIMULATOR

Ectane's SDK includes a basic simulator that allows you to begin developing custom applications with the API without the need for hardware.

ORDERING INFORMATION

PART NUMBER

ECTANE3-SDK

Software Development Kit for Ectane®3. Includes documentation, code samples, LabVIEW SDK library, simulator, and 20h of remote support. Subject to execution of Eddyfi's Nondisclosure and License Agreement. Restrictions apply.



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