

USES:

- Automated Production Testing
- Automated Assembly Line
- Quality Assurance Testing & Statistical Process Control
- Research or Laboratory Analysis
- Historical Database Archiving

FEATURES:

- Continue on Failure
- Can be used with 128 Channel Scanner and wide variety of tests
- Local or Shared Network Database
- Three Levels of Accessibility - Password Verification
- Intuitive Interface: Virtual Front Panel and Windows
- Virtually Unlimited Number of Tests - Up to 990 Steps Each
- Local or Remote Printing
- Test Device Setup with Serial Number Logging
- Automatically Load Tests at Beginning of Each Test
- Automatically Verify Test Program at Beginning of Each Test
- Historical Database Search
- Archived Test Report Search
- Separate Options for Saving and Printing Pass & Fail Reports
- Standard & Summary Reports in MS Word or in XML and CSV Formats
- Batch Testing & Reports
- Create Aliases for Generic Modes
- Scientific & Engineering Notation
- Text Fields for Operator Comments on Test Failures, Functional Check, and Virtual Pause
- Numeric Functional Check
- Document Retrieval

CaptivATE[®] HXV Automation Software

High Voltage Switching Solution

Introduction

CaptivATE[®] provides an **industry first solution for multipoint high voltage testing** for accurately performing hipot, DC Resistance, LCR, Megohmmeter and functional tests up to 128 points. Testing is made simple and fast by automatically downloading the test setup, conducting the required measurements and outputting the test results. CaptivATE automates the process of electrical safety testing when used with QuadTech's Guardian 1000 Series, 6000 Plus, 6100 Plus, Hybrid 2000, Matrix 8000, 1730T instruments, Cytec HXV Switching System, and IET Labs. 1865 Plus.

Description

Testing Capability: Using the CaptivATE HXV software and Cytec HXV Scanner testing can be performed on up to 128 points for fast rapid testing of multiple components, multileaded products and subassemblies. The Cytec Scanner can hot swap voltage up to 3500VDC.

Automatic Loading Test Setup: The test setup can be loaded by selecting the model of the product being tested. This reduces the possibility of an operator selecting the incorrect test for the product.

Increased Productivity: The intuitive graphic interface is easy and efficient for the test operator, reducing operator error.

Plant-Wide Implementation: Multiple installations of CaptivATE HXV (plant-wide or globally) can share the same database, providing a central data location that is updated in real-time. A single installation license is required for each test system. Unlimited installation for viewing data, programming tests and searching results.

Continue on Fail: If a failure is encountered during testing, the program can terminate the test sequence at the failed step or mark the step as a failure and continue with the next step in the sequence. At the end the operator can see which steps passed or failed.

Fetch Function: CaptivATE HXV makes extensive use of Fetch command. This allows the measuring instrument to be configured just once, then the software can scan through channels of the matrix, trigger a measurement and quickly record the measured values.



For more detailed information on specifications, pricing and special purchase, rent and lease options, contact us at:

www.quadtech.com

800-253-1230



Hipot Testers • LCR Meters • Cable Testers • AC/DC Programmable Power Sources • Megohmmeters • Milliohmmeters

CaptivATE

Operating System(s):

Microsoft Windows XP Professional
Microsoft Windows 7

Minimum Software Requirements:

Microsoft Office 2003 or 2007

Minimum Hardware Requirements:

PC: 300MHz Intel Pentium (or compatible) Processor
128MB RAM
2GB Hard Disk Space
(Includes hard disk space required for program files only, Additional hard disk space required for database)
CD-ROM or DVD Drive
Microsoft Windows compatible keyboard
Microsoft Windows compatible mouse or pointing device
Microsoft Windows compatible printer
Super VGA Monitor with 800x600 Resolution or higher
1 x RS232 Port *
4 x USB or USB 2.0 Ports for instrument connection
* Additional RS232 ports can be substituted for 2 USB ports

Optional Requirements:

Microsoft Windows compatible network
Windows compatible printer capable of 8.5"x11" or 2"x3" media
Microsoft Access 98 or greater

Optional Equipment:

Barcode Scanner

Instruments Supported:

Safety Products

Guardian 6000 Plus

Firmware 5.13 (or higher)
Scanners: (4 Total)
1 INT Scanner: 6000-01, -02 or -03 (Optional)
3 EXT Scanner: 5000-01, -02, -03 or -04 (Optional)
G45 40A GB Transformer (Optional)

Guardian 6100 Plus

Firmware 5.13 (or higher)
Scanners: (5 Total)
1 INT Scanner: 6000-07 (Standard)
4 EXT Scanners: 5000-01, -02, -03 or -04
G45 40A GB Transformer (Optional)
31040: 4000VA AC Source

Guardian 1010, 1030 & 1030S Hipot Testers

Firmware 4.30 (or higher)

Guardian 1050 Ground Bond Tester

Firmware 1.00 (or higher)
RS232 installed (G36)

Hybrid 2000 AC/DC/IR/DCR Safety Analyzer

Firmware 1.14 (or higher)

Hybrid 2000 4W AC/DC/IR/DCR Safety Analyzer

Firmware 3.0 (or higher)

Scanners

Matrix 8000 Scanning System

AC Line Module
GBF-2 Module
Earth Module
AC Line 2 Module
General Module
Switch

Cytec HXV Scanning Matrix

With RS232
Up to 128 Channels
Switching Voltage: 3500VDC
Maximum Voltage: 5000VDC
Maximum Wattage: 200W
HXV/32/96 and 128 Mainframes
HXV/4x2-A Switch Modules
HXV/8x1 Switch Modules

Megohmmeters/Milliohmmeters

IET Labs 1865/1865 Plus Megohmmeter/IR Tester

Firmware 2.22 or Higher
3.0 or Higher Recommended

LCR Meters

1730T

Firmware 2.0 (or higher)

AC Sources

6408-1: 800VA AC Source
31015: 1500VA AC Source
31020: 2000VA AC Source
31040: 4000VA AC Source

Ordering Information

CaptivATE HXV Automation Software

Includes:

P/N	Description
CaptivATE HXV 1.0	Windows XP Single Installation
150931	CaptivATE HXV 1.0 Instruction Manual

Optional Accessories:

P/N	Description
CaptivATE Kit	Barcode Scanner and Cabling for Connection
Support Contract	Annual Product Support



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www.quadtech.com or 800-253-1230

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