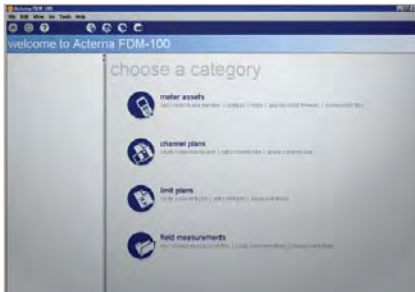


FDM-100

Field Data Management Software



Key Features

- Maintains and displays a complete inventory list of DSAMs
- Configures network settings, security protection, and firmware upgrades for up to 100 DSAMs automatically
- Updates the DSAMs in the field automatically with the correct channel plans
- Ensures consistency and correct field measurements to eliminate errors
- Stores limit plans and deploys them to the DSAMs in the field
- Displays test results, which can then be archived into individual work folder
- Enables supervisors to share data with technicians to improve troubleshooting
- Helps supervisors track technician productivity and accuracy

The JDSU FDM-100 Field Data Management Software is a robust client software application that is a powerful addition to the JDSU DSAM Digital Service Activation Meter family of handheld, high-speed data installer meters. Installed on a PC-based workstation, FDM-100 is more than PC configuration software. It increases supervisors' ability to manage their meter assets as well as improves mobile technicians' efficiency, test accuracy, and productivity. FDM-100 represents JDSU's interoperable software platform that integrates efficient data management into all operations by capturing the power of test data and continually expanding data manipulation and analysis capability.

FDM-100 provides instantaneous information and automates tasks so that supervisors and technicians are on the same wavelength. From a remote location, technicians can synchronize their DSAM via a LAN port. At that moment, the test instrument receives the latest configurations, channel and limit plans, and firmware updates as well as transmits its most current test results and changes back to the FDM-100 workstation. This automatic synchronization eliminates the need for technicians to return to a central location to coordinate their schedules with their managers or to receive updates. And, it gives supervisors immediate access to information that helps them better manage their workforce, keep track of where all the DSAMs are, ensure that channel plans and limit thresholds are correct, verify test results, and maintain test procedure consistency among all users.

Easy to learn and use, FDM-100's intuitive graphic interface enables supervisors to quickly access the application's four functional areas: meter asset management, channel plan management, limit plan management, and field measurements management. By clicking the appropriate icons, information is added, edited, and deployed easily. In addition, with FDM-100, technicians become more productive because they have the most current data and configurations that are needed to perform tests accurately.

Product features

- Supports up to 100 DSAMs
- Sends data to and receives test results from DSAMs in the field via the local area network (LAN)
- Maintains DSAM inventory list and keeps track of all meters
- Eliminates return service calls and retesting caused by incorrect test setup
- Notifies managers when specific DSAMs need calibration or updates
- Organizes data into individual work folders, which can be sent to DSAMs in the field
- Enables supervisors to manage both meter assets and technicians with one software application
- Saves time and resources by entering data only once
- Ensures test setup is consistent and correct and DSAMs are used correctly

Meter asset management

Maintaining an accurate inventory of meters and keeping track of where they are and their calibration and update status consume valuable time and resources. FDM-100 streamlines these tasks through its ability to store and organize up to 100 DSAMs in a database and display each test set's serial number, firmware version, synchronization status, assigned user, and calibration requirements from the manage meter asset home page. Icons with contrasting colors instantly notify supervisors when specific meters require calibration or synchronization.

From the manage meter asset home page, supervisors can configure the network settings on individual instruments and upgrade firmware as necessary. FDM-100 also allows supervisors to establish security settings on individual instruments or prevent access to specific functions such as editing channel or limit plans. The supervisor can assign each DSAM a unique PIN and choose which areas to protect. This prevents any unauthorized changes to the DSAM and helps ensure all measurement criteria remain consistent among all meters.

Channel plan management

To ensure the accuracy of test results, technicians must run tests using the correct channel plan. With FDM-100, supervisors can easily maintain all channel plans in a central location. This ensures that all DSAMs are using the correct plans and have the correct miniscans and autotests loaded. Existing channel plans are edited via the edit channel plan page. Using a valid PIN ensures that only those authorized to edit channel plans have access to this function.

Via FDM-100's intuitive interface, supervisors easily create, edit, and deploy either single or multiple channel plans to individual or multiple DSAMs. Then, when technicians synchronize their DSAMs to FDM-100 over the LAN, the correct plan is automatically uploaded.



figure 1 DSAM synchronization screen

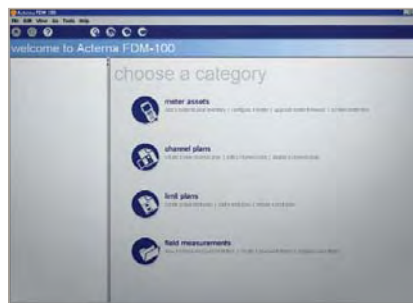


figure 2 FDM-100 home page



figure 3 Manage meter assets home page

Manage limit plans

FDM-100 makes managing limit plans easy. Through the manage limit plan page, which is similar to the channel plan page, supervisors can create; edit; and deploy limit plans for the tap, ground block, TV, or cable modem channels to individual or multiple instruments. Here too, the supervisor can assign a PIN to protect limit plans from being changed without authorization.

The deploy limit plan page provides a snapshot of all DSAMs listed in FDM-100. To deploy a limit plan, the supervisor clicks the checkbox next to the desired meter. Then, when the technicians synchronize their DSAM to the FDM-100 software over the LAN, the limit plans are automatically deployed to the appropriate instruments. To confirm that the DSAM synchronized successfully receiving the most current plan, the supervisor can view the manage meter asset page which displays the last synch date and success or failure status for every DSAM.

Field measurement management

FDM-100's robust functions facilitate the management of field measurement test data. Using the DSAM family's unique work folder structure where test files such as spectrum, miniscan, and DOCSIS™ test results are stored, supervisors can view test results, archive measurement files, create a new work folder, and deploy a work folder.

When a work folder is deployed to the DSAM in the field, the technician can access previous test results for a specific site and use the information to make intelligent decisions. Remote access to information is especially useful for technicians because they do not have to return to a central location to receive valuable test results. In addition, remote access to archived test results improves both technicians' and supervisors' ability to troubleshoot the network.

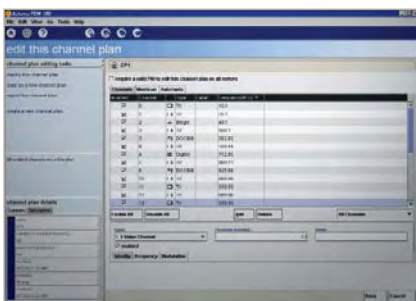


figure 4 Edit channel plan page

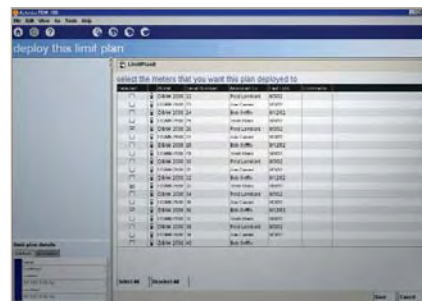


figure 5 Deploy limit plan page



figure 6 Create/Deploy work folder page

Technical specifications

Minimum system requirements

JDSU's FDM-100 is compatible with the DSAM family of test instruments. The minimum system requirements are listed below. Because operating systems and hardware platform requirements change over time, please contact your JDSU representative for further information on the latest system requirements.

Minimum Client Requirements

Windows 98, 2000 or XP operating system

128 MB RAM

35 MB available hard drive space

Ethernet connectivity

800 x 600 screen resolution

License

FDM-100 is licensed to individual client machines based on the MAC address of the network interface card on the PC. The software is licensed on a per machine basis. It will not operate on any other machine without a valid JDSU license file.

Ordering Information

Model	Part Number	VIAS BN	Description
FDM-100	1010-00-0610	IDSAMPC	FDM-100 software and single client license file
FDM-100 Trial Software*	1010-00-0792	IFDMTSF	FDM-100 software (fully functional) to use in a 30-day free trial period
FDM-100 Trial License File*	1019-00-1490	IFDMTLC	License file to operate the FDM-100 software for the 30-day free trial period

* If you already have the FDM-100 software (1010-00-0792) and would like to use the free 30-day trial, you only need to order the trial license file (1019-00-1490). Only one trial period per customer location is allowed.

The JDSU FDM-100 is supported by a one-year warranty.

All statements, technical information and recommendations related to the products herein are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. The user assumes all risks and liability whatsoever in connection with the use of a product or its application. JDSU reserves the right to change at any time without notice the design, specifications, function, fit or form of its products described herein, including withdrawal at any time of a product offered for sale herein. JDSU makes no representations that the products herein are free from any intellectual property claims of others. Please contact JDSU for more information. JDSU and the JDSU logo are trademarks of JDS Uniphase Corporation. Other trademarks are the property of their respective holders. ©2007 JDS Uniphase Corporation. All rights reserved. 10143163 501 0707 FDM100.DS.CAB.TM.AE

Test & Measurement Regional Sales

NORTH AMERICA TOLL FREE: 1 866 228 3762 FAX: +1 301 353 9216	LATIN AMERICA TEL: +55 11 5503 3800 FAX: +55 11 5505 1598	ASIA PACIFIC TEL: +852 2892 0990 FAX: +852 2892 0770	EMEA TEL: +49 7121 86 2222 FAX: +49 7121 86 1222	www.jdsu.com/test
---	--	---	---	--