

DriveMS – upgrade for Drive Maintenance System (DMS)

– digital monitoring and testing system for SAMI STAR, SELE and MEGA STAR now available also on the Windows platform



sales.productservice@fi.abb.com
www.abb.com/drivesservices
Code: DOCPDDMS0001



DriveMS for Windows

The Drive Maintenance System (DMS) developed by ABB – its monitoring and trend functions – have been successfully used for more than ten years for the maintenance and troubleshooting of drives. Our proven digital monitoring and testing system is now available also as a Windows version that is easy to implement.

Seamless integration of the Windows operating system and DriveMS

Thanks to its Windows-based menu window and additional windows, DriveMS is clear and simple to use, very user-friendly. The new DriveMS runs on the Windows NT, 2000 and XP operating systems on all IBM compatible PCs.

The implementation, testing, startup, shutdown and speed settings for various types of automation drives can be performed quickly and easily. Parameter values may be loaded from the PC to the SAMI STAR and vice versa. Parameter processing is clear, as the parameters displayed on screen can be grouped into windows specific to their type of operation.

The new DriveMS control system can be installed on any sufficiently powerful Windows PC and does not require any new expensive investments in hardware. The DriveMS software runs on the same hardware as DMS, its predecessor, so the DriveMS utility is also available as a software upgrade only.

Easier and more effective control and monitoring of SAMI STAR

A PC with the DriveMS system can be used to control and manage 1 to 8 SAMI STAR drives simultaneously. The trend and DataLogger functions in DriveMS make the maintenance and troubleshooting of SAMI STAR more efficient. The trend function can be used to display one to six trends simultaneously – from one or more drives.

All drive management situations in control

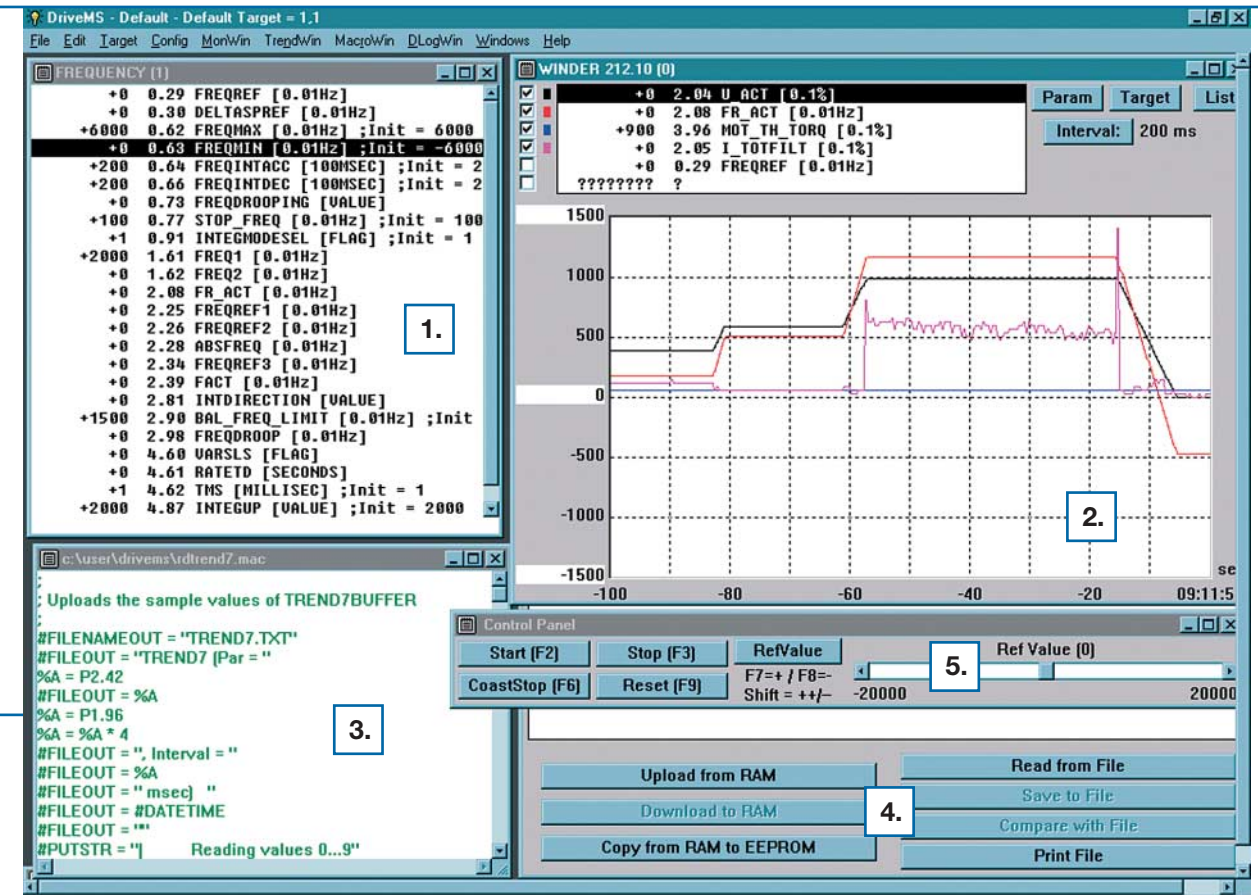
The DriveMS system may be used in all situations related to SAMI STAR drives:

- Maintenance
- Troubleshooting
- Commissioning
- Control
- Training

Two alternatives available for DriveMS delivery:

1.
 - DriveMS software on CD-ROM
 - User manual

2.
 - DriveMS software on CD-ROM
 - User manual
 - SSPC (Special Serial Protocol Converter)
 - Cables to connect the PC to the SSPC and the SSPC to the drive
 - Optical fibres between the drive control board and the I/O board



DriveMS display functions and windows

When the programme is started, it opens a main window that usually occupies the entire screen. Additional windows selected by the user open inside the main window.

1. Monitor Window:

The window can be used for monitoring one or more drives simultaneously. The monitoring is numerical in nature, and the values and results may be stored. The monitoring administrator may also enter self-defined parameters (to a maximum of 50 items).

2. Trend Window (one or more):

The windows indicate trends in graphical format based on the parameters selected by the user. Each trend window shows a maximum of six parameters. Trends may be displayed from one or more drives.

The minimum sample time ranges from 50 milliseconds (one trend) to 300 milliseconds (six trends). The trend history may be scrolled and scaled both in the horizontal and the vertical direction.

3. Macro Window (one or more):

In the macro window, the system user can type the required macro statements and execute them.

4. EEPROM parameter window:

This window is used for uploading, comparing and modifying EEPROM (TEE) parameters, as well as their backup and restore operations and printing.

5. Control Panel window:

This window is used for local control of the selected drive.

6. Data Logger Window:

The Data Logger window is used for controlling the storage of data obtained from the drives and displaying the selected sample values in a graphical and numerical format.

