

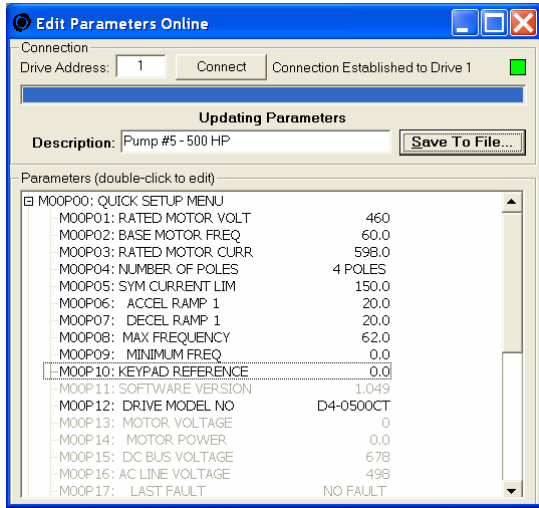


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DRIVEMASTER 6.53 DRIVE CONFIGURATION SOFTWARE

Drivemaster 6.53 is a Windows based program designed to make drive set-up, record keeping, and troubleshooting easy. Drive parameters can be extracted from a drive, reviewed, modified, printed, stored on disk, reloaded back into the same drive, or copied to another drive. Data Logging and Graphing of drive parameters is also possible. Offline and Online Editing is supported.

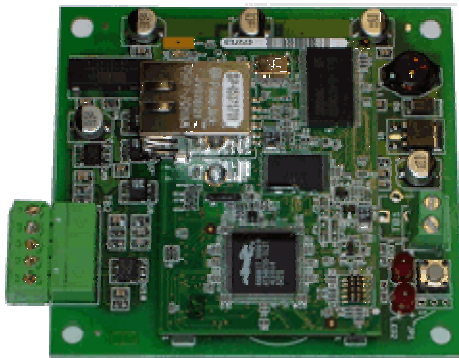
Drivemaster 6.53 supports both Modbus Serial Communications and Ethernet / Modbus TCP Communications.



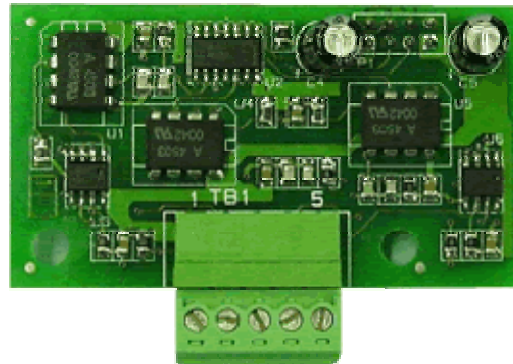
Edit and Save Drive Parameters



Log and Graph Drive Parameters



Ethernet Communications Card



Serial Communications Card

With Drivemaster 6.53 you can also.....

Parameter File Printout

Report Printed on 03-13-2006 at 14:44:29
File: C:\Program Files\Drive Master\Pump #5.USB
Description: Pump #5 - 500 HP

Parameter Name	Parameter Value	Parameter Name	Parameter Value
M00P00 QUICK SETUP MENU		M00P03 ACCEL RAMP T	20.0
M00P01 RATED MOTOR VOLT	480	M00P04 DECEL RAMP T	20.0
M00P02 BASE MOTOR FREQ	60.0	M00P05 JOG ACCEL RAMP	60.0
M00P03 RATED MOTOR CURR	598.0	M00P06 JOG DECEL RAMP	60.0

File Comparison Report

Printed on 03-13-2006 at 14:40:04
File #1: C:\Program Files\Drive Master\Pump #5.USB
File #1 Description: Pump #5 - 500 HP
File #2: C:\Program Files\Drive Master\Default Parameter Files\D4-0500CT.USB
File #2 Description: Phoenix DX AC Drive Default Parameters D4-0500CT

Name of Parameter	File 1 Value	File 2 Value
M00P01 RATED MOTOR VOLT	480	480
M00P02 BASE MOTOR FREQ	60.0	60.0
M00P03 RATED MOTOR CURR	598.0	600.0
M00P04 DECEL RAMP T	150.0	149.9
M00P05 JOG ACCEL RAMP	20.0	60.0
M00P06 JOG DECEL RAMP	20.0	60.0
M00P07 DECEL RAMP T	20.0	60.0
M00P08 MAX FREQ	60.0	60.0
M00P09 MAX FREQ FREQUENCY	60.0	60.0
M00P10 ACCEL RAMP T	20.0	60.0
M00P11 DECEL RAMP T	20.0	60.0
M00P12 SYM CURRENT LIM	150.0	149.9
M00P13 RATED MOTOR CURR	598.0	600.0
M00P14 M00P14 DRIVE RESET	480	480
M00P15	0	1
M00P16		
M00P17		
M00P18		
M00P19		
M00P20		

Compare Files and Print Drive Set-up Information

Quick Setup Menu Customization Wizard

Upload Parameter Data | Select Menu Parameters | Extra Options | Preview

This display shows a preview of what your quick menu will look like on the actual drive keypad. If you are still connected to the drive, you may check "Show actual drive values" to read the actual values and use them in this preview.

Gals Per Min
M00P19 0318.1 = M01P03 x 6.361

Click Finish or Send to Drive to send this menu configuration to the drive. If you are working offline, or have multiple drives you wish to apply the same Quick Setup Menu to, you may click "Save to File" to create a parameter file that will download these menu settings to any compatible drive. You can also click "Back" to change your settings.

Show actual drive values in Preview

Save to File Send to Drive

Cancel << Back Finish

Customize the Drive Keypad Display

Graph/Log Parameters

Graph/Log Setup | Graph Display | Connected

Drive Address: 1 Connect

Log Filename: scan.log

Scan Period: 30.000s Continuous Scan

Ch Name	Value	Action	Gain
M00P00 QUICK SETUP MENU			
M00P01 RATED MOTOR VOLT	480	Graph & Log	x1
M00P02 BASE MOTOR FREQ	60	Graph & Log	x1
M00P03 RATED MOTOR CURR	598	Graph & Log	x1
M00P04 DECEL RAMP T	150	Graph & Log	x1
M00P05 JOG ACCEL RAMP	20	Graph & Log	x1
M00P06 JOG DECEL RAMP	20	Graph & Log	x1
M00P07 DECEL RAMP T	20	Graph & Log	x1
M00P08 MAX FREQ	60	Graph & Log	x1
M00P09 MAX FREQ FREQUENCY	60	Graph & Log	x1
M00P10 ACCEL RAMP T	20	Graph & Log	x1
M00P11 DECEL RAMP T	20	Graph & Log	x1
M00P12 SYM CURRENT LIM	150	Graph & Log	x1
M00P13 RATED MOTOR CURR	598	Graph & Log	x1
M00P14 M00P14 DRIVE RESET	480	Graph & Log	x1
M00P15	0	Graph & Log	x1
M00P16			
M00P17			
M00P18			
M00P19			
M00P20			

Date	Time	M00P14	M00P15	M00P16	M00P18	M00P19	M00P20
01-27-2006	13:38:20	0.5	635	457	6.5	60.0	1800
01-27-2006	13:39:26	0.5	632	457	6.5	60.0	1800
01-27-2006	13:40:00	0.6	633	457	6.5	-60.0	-1800
01-27-2006	13:40:34	0.6	633	457	6.5	-60.0	-1800
01-27-2006	13:41:08	0.6	632	457	6.4	-60.0	-1800
01-27-2006	13:41:41	0.3	631	457	9.7	60.0	837
01-27-2006	13:42:15	0.5	634	457	6.5	60.0	1800
01-27-2006	13:42:49	0.5	631	457	6.4	60.0	1800
01-27-2006	13:43:22	0.6	633	457	7.7	-60.0	-804
01-27-2006	13:43:56	0.5	628	456	6.4	-60.0	-1800

Scan and Log Drive Parameters

Features:

- Use with Phoenix DX (Open Loop) or Phoenix EX (Closed Loop) AC Vector Drives
- View and modify drive parameters from a simple to use computer interface.
- Connect via Serial Communication (RS-232/422/485) or Ethernet Communication
- Supports both On-Line and Off-Line editing of all drive parameters.
- Select up to 25 specific drive parameters for Logging, Graphing, Display, and On-Line Editing.
- Retrieve all drive parameters from a new or existing US Drives product.
- Save all retrieved drive parameters to your computer's hard disc or other media.
- Load drive parameter files stored on your computer to a new or existing US Drives product.
- Data Logging feature periodically scans and stores up to 25 different drive parameters
 - Scan period is adjustable (Hr, Min, Sec) for high speed or long term applications.
 - Data files are easily imported to Microsoft Excel for future Printing, Graphing, and Analyzing.
- Graphing feature allows you to create real time plots of up to 25 different drive parameters
- Easily configure drives of different horsepower ratings with the same operating sequence.
- Compare a drive's parameter set against that drive's default parameter set.
- Compare a drive's parameter set to a previously saved set of drive parameters.
- Print out a list of all drive parameters and save a paper copy for your records.
- Print out a list of parameter differences between two drives or two saved file sets.
- Easily scale and format the drive's Keypad to display parameters in real world units (GPM, PSI, etc.)
- Easily modify the drive's Keypad to show parameters of specific interest in your application.