

DRIVEMASTER DRIVE CONFIGURATION SOFTWARE

Drivemaster is a Windows based program designed to make drive set-up, record keeping, and trouble-shooting 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 supports both Modbus Serial Communications and Ethernet / Modbus TCP Communications.

🔘 Edit Paramete	ers Online					
Connection		1				
Drive Address:	1 Connect	ect Connection Established to Drive 1				
	Updating	Parameters				
Description: Pu	imp #5 - 500 HP		Save To File			
– Parameters (double	-click to edit)					
🖻 MOOPOO: QUICK	SETUP MENU		▲			
-M00P01: RA	TED MOTOR VOLT	460				
	SE MOTOR FREQ	60.0				
	TED MOTOR CURR	598.0				
	MBER OF POLES	4 POLES				
	M CURRENT LIM	150.0				
- MOOPO6; AG		20.0				
	ECEL RAMP 1	20.0				
	IX FREQUENCY	62.0				
	INIMUM FREQ	0.0				
	PAD REFERENCE	0.0				
	FTWARE VERSION	1.049				
	IVE MODEL NO	D4-0500CT				
The set when it is	DTOR VOLTAGE	0				
	OTOR POWER	0.0				
	BUS VOLTAGE	678				
	LINE VOLTAGE	498				
-M00P17: L	AST FAULT	NO FAULT	▼			

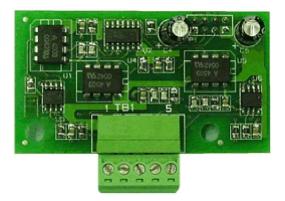
Edit and Save Drive Parameters



Log and Graph Drive Parameters



Ethernet Communications Cable



Serial Communications Card

With Drivemaster you can also.....



Compare Files and Print Drive Set-up

eport Printed on 03-13-2006 at 14:44 le: C:\Program Files\Drive Master\Pu	:39	er File Printout	
escription: Pump #5 - 500 HP			
arameter Name	Parameter Value	Parameter Name	Parameter Value
DOP00: QUICK SETUP MENU DOP01: RATED MOTOR VOLT	460	M02203 ACCEL RAMP 1 M02204: DECEL RAMP 1	20.0
DIE02 BASE MOTOR EREC	60.0	M02P04 DECEL RAMP	60.0
OF03: RATED MOTOR CURR	598.0	M02206: JOG DECEL RAMP	60.0
OF04:		0	
DF05.	FI	e Comparison Report	
OF00: Printed on 03-13-2006 at 1	4:40:04		
0FU/: File #1: C:\Program Files\I	Drive Master\Pump #5.USB		
OF08: File #1 Description: Pump	#5 - 500 HP		
File #2: C:\Program Files	Drive Master\Default Parameter File:	D4-0500CT.USB	
	hix DX AC Drive Default Parameters		
OP11: File #2 Description: Phoer	hix DX AC Drive Default Parameters		
DOP11: Pile #2 Description: Phoer DOP12: Name of Parameter;		File 1 Value:	File 2 Value:
00000000000000000000000000000000000000	ZOLT	File 1 Value; 46)	480
DUP11: File #2 Description: Phoer DUP12: Name of Parameter: DUP14: M00P01: RATED MOTOR V DUP15: M00P03: RATED MOTOR (ZOLT	<u>File 1 Value:</u> 46) 598.0	480 600.0
DIF1: He #2 Description: Phoer DIF12: Name of Parameter: DIF13: MOOPO1: RATED MOTOR V DIF14: MOOPO3: RATED MOTOR 0 MOOPO3: RATED MOTOR 0 U+16: MOOPO5: SYM CURRENTL	ZOLT	File 1 Value; 463 598.0 150.0	480 600.0 149.9
Mame Pile #2 Description: Phoen 00F11: Name of Parameter; 00F12: Name of Parameter; 00F14: MOOP01: RATED MOTOR V 00F15: MOOP03: RATED MOTOR V 00F16: MOOP05: SYM CURRENT L 00F17: MOOP05: ACCEL RAMP 1	ZOLT	File 1 Value; 46) 5980 1500 200	48) 600.0 149.9 60.0
Ame of Parameter: 00712: Name of Parameter: 00713: MonPol: RATED 00714: MONPOI: RATED 00715: MONPOI: RATED 00716: MONPOI: RATED 00717: MONPOI: RATED 00717: MONPO: SYM 00717: MONPO: SYM 00717: MONPO: ACCEL 00717: MONPO: ACCEL 00718: ACCEL RAMP1 00718: ACCEL RAMP1	VORT CURR IM	File 1 Value; 463 598.0 150.0 20.0 20.0	480 600.0 149.9 60.0 80.0
DEFIC: HIS #2 Description: Phoer 02F12: Name of Parameter; 02F14: MODPOI: RATED MOTOR N 02F16: MODPOI: RATED MOTOR N 02F10: MODPOI: RATED MOTOR O 02F17: MODPOI: ACCEL RAMPT 02F18: MOUPOI: DECEL RAMPT 02F18: MOUPOI: DECEL RAMPT	VOLT DURR IM	Eile 1 Value; 46) 598.0 150.0 20.0 20.0 20.0 62.0	480 600.0 149.9 60.0 60.0 60.0
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He #2 Description: Phoer 0F12: Name of Parameter; 0F13: Name of Parameter; 0F14: MOOP03: RATED MOTOR N 0F17: MOOP03: RATED MOTOR N 0F17: MOOP08: ACCEL RAWP 1 0F18: MOUP07: DECEL RAWP 1 0F19: MOOP08: MAX FREQUENC 0F19: MOOP08: MAX FREQUENC 0F10: MOOP08: ACCEL RAWP 1 0F11: MOOP03: CACEL RAWP 1 0F11: MOOP03: MAX FREQUENC 0F12: MO1P08: MAX FREQUENC 0F12: MO1P08: MAX FREQUENC	VOLT DURR IM	Elie 1 Value; 48) 1500 200 200 200 200 620 620 500	483 600.0 149.9 60.0 60.0 60.0 60.0 60.0 60.0
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He #2 Description: Phoe He #2 Description: Phoe OF 12: MORPH: RATE MOTOR OPTION MORPH: RATE MOTOR Option: Rate Motor MORPH: RATE MOTOR Display: Morpho: Rate Motor MORPH: RATE MOTOR Display: Morpho: SYM CURRENT: Display: MORPH: RATE MOTOR Display: MORPH: RATE MOTOR Display: MORPH: RATE MOTOR Display: MOTOR MORPH: RATE MOTOR Display: MORPH: SYM CURRENT: Display: MORPH: SYM CURRENT: Display: RATE MOTOR Display: RATE MOTOR	ZOKT SURR IM Y Y Y ZURR	File 12465; 45800 5580 200 200 201 201 201 200 200 200 200 20	280 6000 149.9 60.0 60.0 60.0 60.0 60.0 60.0 60.0 6
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Description: Het #2 Description: Photometry Piet 2 Parameter: Parameter: Piet 3 MACPHI - BAIES JWATCH Parameter: Piet 4 MACPHI - BAIES JWATCH Parameter: Piet 5 MACPHI - BAIES JWATCH Parameter: Piet 6 MACPHI - BAIES JWATCH Parameter: Piet 7 MACPHI - BAIES JWATCH Parameter: Piet 7 MACPHI - MACPHI - MACPHI - BAIES JWATCH Parameter: Piet 7 MACPHI - MACPHI - MACPHI - BAIES JWATCH Parameter: Piet 8 MACPHI - MACPHI - BAIES JWATCH Parameter: Piet 9 MACPHI - MACPHI - BAIES JWATCH Parameter: Piet 9 MACPHI - MACPHI - BAIES JWATCH Parameter: Piet 9 MACPHI - MACPHI - BAIES JWATCH Parameter: Piet 9 MACPHI - STM CURRENT I Parameter: Parameter: Piet 9 MACPHI - STM CURRENT I Parameter: Parameter: Piet 9 MACPHI - STM CURRENT I Parameter: Parameter: Piet 9 MACPHI - STM CURRENT I Parameter: Parameter:	ZOKT SURR IM Y Y Y ZURR	File 1 Value; 463 5640 1600 200 201 620 620 200 5400 5600 620 5600 5600 5600 40)	280 6000 149.9 60.0 60.0 60.0 60.0 60.0 60.0 60.0 6
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onnect / Select Parameters Scan Parameter Values Parameter Graph	Connection E	Connection Established to Drive 1	
arameters currently selected for scanning.			
MODPLO: KEYPAD REFERENCE	0.0	Graph Log	
MODP14: MCTCR POWER	0.0	Graph Log	
MODP18: NOT CUFR-TOTAL	0.0	Graph V Loc	
WOIPIG: FINAL FRED REF	0.0	Graph V Log	
MODPEO: MCTCR SEAFT RPM	0	🔽 Graph 🔽 🔽 Lug	
		Graph Log	
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		Croph Log	
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<< Clear Ust		Stop Scanning	

Customize the	Drive	Keypad	Display
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File Edit Format View I	Help					
*** Log Opened: 13	:38:20 01-27	-2006				
Date Time	M00P14	M00P15	M00P16	M00P18	M00P19	M00P20
01-27-2006 13:38:53		635	457	6.5	60.0	1800
01-27-2006 13:39:20		632	457	6.5	60.0	1800
01-27-2006 13:40:0	D 0.6	633	457	6.5	-60.0	-1800
01-27-2006 13:40:3	4 0.6	633	457	6.5	-60.0	-1800
01-27-2006 13:41:0	3 0.6	632	457	6.4	-60.0	-1800
01-27-2006 13:41:43	1 0.3	631	457	9.7	60.0	837
01-27-2006 13:42:1	5 0.5	634	457	6.5	60.0	1800
01-27-2006 13:42:4	9 0.5	631	457	6.4	60.0	1800
01-27-2006 13:43:2	0.6	633	457	7.7	-60.0	-804
01-27-2006 13:43:5		628	456	6.4	-60.0	-1800
*** Log Closed: 13			.50	0	00.0	1000
*** Log Opened: 13						
. Log opened. Is	.25.10 02 02	2000				

Scan and Log Drive Parameters

Features:

- Use with Phoenix DS (Open Loop) or Phoenix ES (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 <u>all</u> 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.