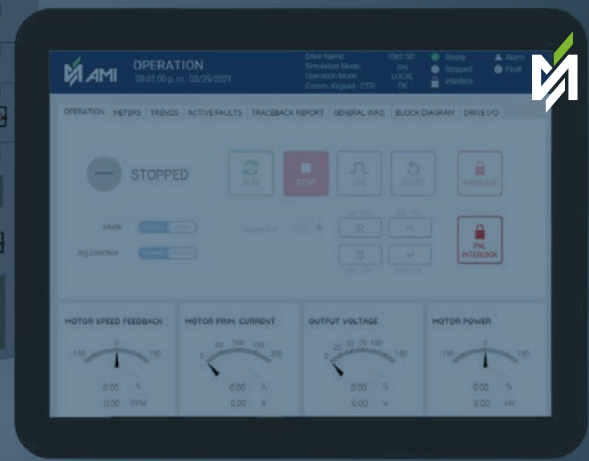


SmartView Display®



AMI Automation is a global leader in automation and control solutions. We specialize in designing, manufacturing, and implementing innovative technologies to enhance process safety and efficiency across industries such as steel, mining, cement, pulp & paper, and power generation.

SmartView Display®

SmartView Display® is the new interface used in the TMEIC drive systems with a high-visibility touch panel display that allows quick access to data of the equipment as well as information for trouble shooting from the local display or remotely from a computer or smart-phone. It has enhanced tools that allows a simplified troubleshooting and trace-back of systems faults without the need of using the drive configuration tool. These functions contribute to stable operation and maintainability while expanding the operability of equipment monitoring.

Features:

- ▶ 7, 12.1, 15.6, 18.5 & 21.5 inches touchscreen monitor option
- ▶ Monitoring and live trend of drive variables
- ▶ Active faults, permissives and alarms report
- ▶ General information and event counter report
- ▶ Control block diagram with live data animation
- ▶ Drive I/O monitoring
- ▶ Webserver capability
- ▶ Local operation capability
- ▶ Traceback report in a tabular format

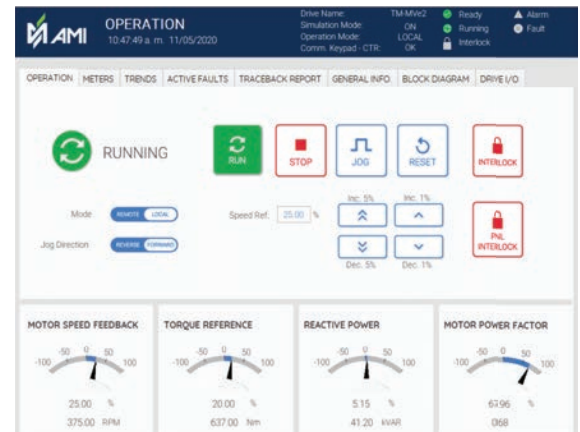
System Products Supported

- ▶ TM-DCE2 controls
- ▶ LCE2 controls
- ▶ TM-MVe2 / SM
- ▶ DBMVe2
- ▶ TM-P10e2
- ▶ TM-10e2*
- ▶ TM-10e2 DP / SPR
- ▶ Durabilt 5i
- ▶ TM-MVG2 - SM
- ▶ TM-50
- ▶ TM-70

*Includes draw-out style. The SmartView Display® can connect to eight TM-10e2 drives located in the same cabinet.

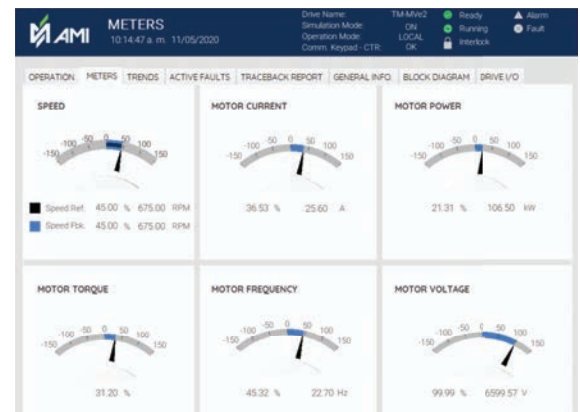
Operation (Main Screen)

The main screen is the operation screen where are located the local control of the drive. It has buttons for local operation with functionality to change from remote to local mode, start and stop, speed reference adjust, jog, fault reset button and interlock. This screen has the Monitoring of four drive variables using numeric animations and meter displays. Variables and meter ranges are configurable in TMdrive® Navigator.



Meters

The SmartView Display® has a Meters Screen used for Monitoring seven drive variables using numeric animations and meter displays. These variables are predefined depending on the drive type or firmware.



Trends

The trender has the option of time interval and scale adjustment and the signals can be hidden. This screen also have the control keys for local operation, to be able to manipulate the drive in local mode from this screen to avoiding move to the operation screen and be able to continue monitoring continuously.



Active Faults

The SmartView Display® has the active fault screen. If the equipment loses the ready condition, this screen is opened automatically. The active faults, permissives and alarms related to the drive are listed in the active fault table. On clicking the Fault Number, parameter help related to the fault is displayed.

No.	FAULT NUMBER	FAULT NAME	FAULT DESCRIPTION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Traceback Report

The traceback faults feature displays traceback fault report in a tabular format where parameter help related to the fault is displayed.

On clicking the Upload button, traceback trend data information from the drive is uploaded to the computer. The uploaded files are saved in a shared folder to be able to access from a mobile device or computer using Wi-Fi connection.

No.	FAULT NUMBER	FAULT NAME	FAULT DESCRIPTION	OCCURED TIME AND DATE	TRACEBACK BANK NO.
1	54	OH.T.OH.T.B	Equipment overheat timer, Equipment overheat timer B bank	03:31:32 07/03/2020	0
2	54	OH.T.OH.T.B	Equipment overheat timer, Equipment overheat timer B bank	03:31:32 07/03/2020	1
3	54	OH.T.OH.T.B	Equipment overheat timer, Equipment overheat timer B bank	13:12:53 07/03/2020	2
4	54	OH.T.OH.T.B	Equipment overheat timer, Equipment overheat timer B bank	05:43:10 07/03/2020	3
5	54	OH.T.OH.T.B	Equipment overheat timer, Equipment overheat timer B bank	01:53:56 07/06/2020	4
6	54	OH.T.OH.T.B	Equipment overheat timer, Equipment overheat timer B bank	02:20:49 07/06/2020	5
7	107	GR.T	Converter ground detection timer	17:02:28 07/07/2020	6
8	54	OH.T.OH.T.B	Equipment overheat timer, Equipment overheat timer B bank	17:22:11 07/07/2020	7

FTP Server IP Address: 192.168.1.150 TRACEBACK FAULTS DATA DOWNLOAD [DOWNLOAD](#)
* Note: This operation could take some minutes to complete.

General Information

The general information screen shows the drive type, firmware version, drive IP address, active bank, panel name and drive timestamp.

In other section, information related to the drive events is displayed in a tabular format. The drive events can be reset in the TM Drive Navigator.

DRIVE DETAILS

Drive Type: TM-DC2 Firmware Version: A4AA17A Drive IP Address: 192.168.87.27
EEPROM Bank: A Panel Name: DC2 3D Drive Timestamp: 11:01:22 a.m. 05/05/2021

In case of emergency call: Mexico: 01 800 286 9358 | United States: +1 (956) 2170525

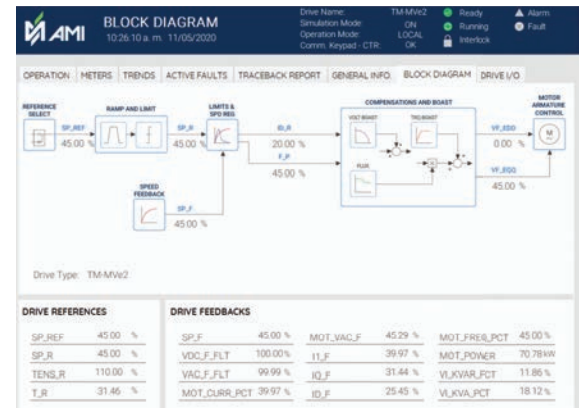
EVENT COUNTER

EVENT	COUNT	UNIT	LAST RESET TIME
Effective Electrical Energy	28481.79	kWh	00:00:00 01/00/2000
Apparent Electrical Energy	73641.07	kVAh	00:00:00 01/00/2000
Control Power Supply On Time	7301.37	hour	00:00:00 01/00/2000
Operation Time	5848.64	hour	00:00:00 01/00/2000
No. of Times of Contactor Open	3	count	00:00:00 01/00/2000
No. of Times of BLF Off	0	count	00:00:00 01/00/2000
No. of Times of BLR Off	11	count	00:00:00 01/00/2000
No. of Times of UV Off	110	count	00:00:00 01/00/2000
No. of Times of READY Off	148	count	00:00:00 01/00/2000

Control Block Diagram

The SmartView Display® has a screen with the control block diagram that displays live data animation of the main variables.

In the bottom side are displayed the main references and feedbacks of the drive.



Drive I/O

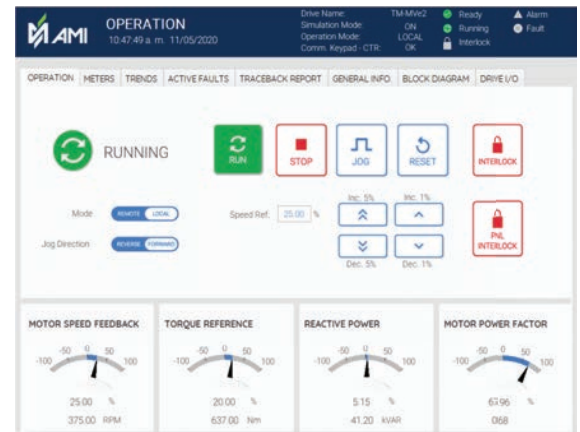
In the I/O section there are diagrams that shows the terminals of the IO for each of inputs and outputs. This allows to have a quick notion of the connection points in case of required without having to review the equipment engineering drawings.

The names of the tags and descriptions displayed in the diagrams are configurable.



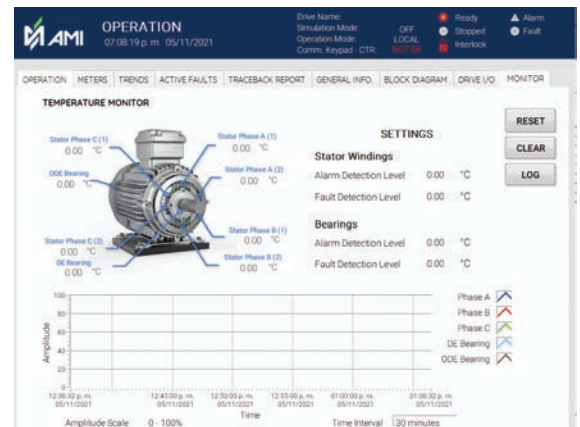
Web Server Functionality

Web Server functionality to give access to the application from the web browser using a mobile device or laptop.



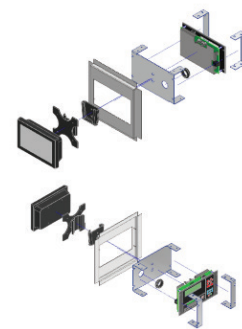
RTD Monitor (optional)

As an option, the SmartView® Display has the capability to include the RTD monitor of the motor. With this functionality is integrated IO for reading the motors RTDs signals. Settings of alarm and fault detection levels are sent to the drive parameters, with this, in case of a smart display is changed the parameters are read from the drive.



SmartView Display® Retrofit Kit option

There is a retrofit kit option that includes all the parts to fit in the drive without the need of cabinet modifications.



Ordering Information

Mark	Product Category	Acronym ¹	Screen Size		Manufacturer		System Product		Configurator ³				Mounting Interface	Certification		Rev	
A	Computer	SVD	S	##	A	Advantech	11	TM-10	#	RTD	IR	Nav	Pwr	Standard	-	CE/FCC	AA
	Product Index		1	7	E	IEI Int Corp	12	TM-10e2	A				AC	P Panel (VESA MIS)	U	UL	
	250 Panel Computer		2	12.1			12D	TM-10e2 DP ²	D				DC	Adapter			
			3	15.6			12S	TM-10e2 SPR ²	0			X	AC	G GOT Display ⁴			
			4	18.5			13	TM-10e3	1			X	DC	K TMEIC Keypad			
			5	21.5			31	TM-30	2		X		AC				
							51	TM-50	3		X		DC				
							71	TM-70	4		X	X	AC				
							72	TM-70e2	5		X	X	DC				
							A1	TM-DC	6	X			AC				
							A2	TM-DCe2	7	X			DC				
							C3	DigiFCR X3	8	X		X	AC				
							D2	DB5i-MVe2	9	X		X	DC				
							E1	DB5i	B	X	X		AC				
							E2	DB5ie2	C	X	X		DC				
							F2	DigiFEX 2.0	E	X	X	X	AC				
							G1	TM-MVG	F	X	X	X	DC				
							G2	TM-MVG2									
							J1	TM-P10									
							J2	TM-P10e2									
							L2	TM-LC1e2									
							M2	TM-MVe2									
							T1	TM-T10									
							V1	TOS-250Wi									

A250SVD

SM.VXY

CIU

AA

Rev

Certification

Mounting Interface

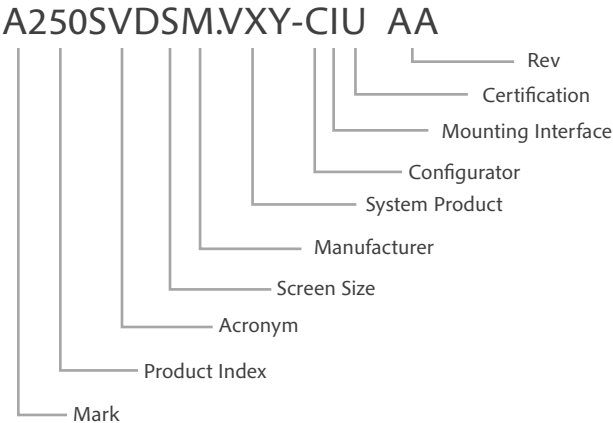
Configurator

System Product

Manufacturer

Screen Size

Acronym



¹ The acronym 'SVD', used for the panel computer, stands for SMARTVIEW DISPLAY®

² DP stands for Dual Purpose while SPR for Slip Power Recovery.

³ For the computer power supply configuration, AC means 115Vac while DC, 24Vdc. Other settings available as RTD, Infrared (IR) or TMdrive-Navigator might be chosen.

⁴GOT stands for Graphic Operation Terminal.

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