

# A900 Series

## HUMAN MACHINE INTERFACES



## Complete Graphic Operation Terminals

# A900 Series

It's 4:55 and almost time to punch out and go home. Production has been smooth and tranquil. Life couldn't be better. Little do you know there exists a critical device, and it decides to take off work early. Manufacturing comes to a screeching halt; workers are at a standstill. Eventually, the white coats appear and clipboards come out, each one looking for answers and accountability. You have a choice, and going home early is not one of them!



This may or may not resemble your reality, but it is probably pretty close. In order to avoid similar situations many users are now relying on the new A900 Series Human Machine Interface (HMI). The A900 Series keeps you productive and in control. With a comprehensive list of functions and features, the A900 Series can easily propel you to a higher level of efficiency and excellence.

With features like:

- Alarm Management - Optimize critical situations quickly and effectively
- Recipe Management – Embedded data management features
- Tendency Management – Responsive historical tracking and charting environment
- Security Management – Administration level safeguards

Added to an equally long list of extensive monitoring capabilities, you complete the Human Machine Interface interaction.

## Performance

All A900 Series interfaces provide lightning fast responses from touch operations and an incredible update to data display. Thanks largely in part to an embedded 32-bit RISC processing chip, the A900 Series provides an almost instantaneous input/output interface for any application. With direct access to image table I/O and specialty modules, A900's display deep and proficient relationships with all types of machines. High-speed response separates the A900 from other interface manufacturers.



## Capable

With a new innovative design and a proven track record in HMI solutions, the new A900 is the perfect fit for any situation. Selection and installation of this family of rugged terminals involves very little consideration. Super slim design allows installation into areas involving little to no space at all. With certification from UL, cUL and CE\*, the A900 makes it easy to design systems that are used in the US and abroad.

## Selection

All A900 Series interfaces come with either an accommodating AC power supply (100 VAC to 240 VAC) or stable DC power supply (24 VDC). With a wide range of screen sizes, the A900 is available in bright high-resolution 256 color TFT (Thin Film Transistor), 8 color STN (Passive Matrix) and the ever popular EL (Electro-Luminescent). Screen dimensions stretch across all display boundaries, ranging from the eye-popping 12.1 inch to the practical 5.7 inch. The A900 provides numerous choices to fit a broad range of possible solutions.



\* A900-0000-EU units are CE compliant.

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## Decisive Intervention

Take advantage of the numerous management features that the A900 Series offers. With embedded optimization tools, you are guaranteed that your alarms are processed and conveyed to your users. With countless options ranging from detailed pop-up windows to time saving utility windows, handling alarms becomes remarkably easy. Confusion is avoided with instant access to advanced features. You are in control and given the power to choose how to handle those alarms. Whether it's generating printouts or even saving backups, distinct actions can be associated with the daily crisis. The A900 Series provides a simple solution to meet your requirements.



## Supervision and Control

The A900 Series is unmatched in combining control and maintenance in one ready-to-use package. No other HMI on the market provides a more in-tune experience with your application than Mitsubishi. With immediate access to data memory and direct access to image tables, the A900 provides the fastest turnaround. Machine programming can be done directly at your terminal without the need for a laptop or special programming unit. Combined visual ladder logic monitoring and instruction list mode editing allows the A900 Series to be considered "the" HMI for all applications.

## Alarm Management

With a wide array of alarm handling functions, the A900 will simplify the most complex situations. Communicate critical tasks clearly with alarm history and alarm listing functions. Display, sort and time-stamp different alarms by occurrence or by priority. Optimize your conditions quickly and effectively with the A900 Series. Whether you have 30 alarms or 30,000 alarm conditions, the A900 Series can handle the job.

## Defense

Another advantage the A900 family offers, is the capacity to assign users different levels of access. Advanced security features allow restriction to the types of information that can be accessed from the A900 terminal. With a choice of 16 levels of password protection across 3 different levels, numerous safety measures can be taken to insure the integrity of your system.

## Prescription for Success

Utilize the powerful recipe handling features that the A900 boasts and eliminate the memory constraints within your system. Lift away the heavy burden of data storage from your controllers and allow the A900 to be your system manager. Recipe Management is yet another tool in the A900 arsenal to shoot down all of your problems. The A900 is capable of handling sizeable amounts of data, with internal and external memory options of up to 256 recipes, each capable of 8K points of data. Data management can be quickly optimized and controlled, thus increasing productivity.

## Connectivity

The A900 Series offers an extensive range of communication options for you to choose from. The A900 keeps you flexible in a rapidly changing work place. Options begin at direct connections and encompass numerous other choices, all the way up to the high end networking solutions. Downloadable drivers make connections to third party controllers and Mitsubishi products effortless. Future amendments can be made at the touch of a button. Expand your capability without expanding your pocketbook. No matter what the application may call for, rest assured that a solution exists with the A900.



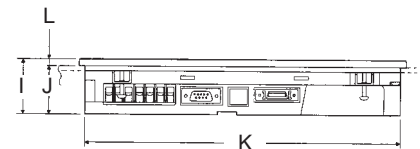
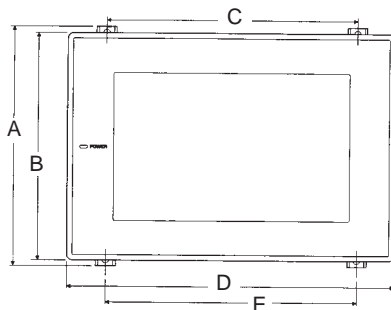
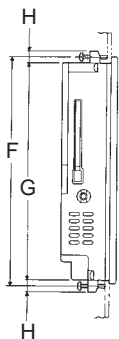


# Product Line-up



Model	A985GOT-TBA-EU A985GOT-TBD	A975GOT-TBA-EU A975GOT-TBD-B	A970GOT-TBA-EU A970GOT-SBA-EU A970GOT-TBD-B	A970GOT-LBA-EU A970GOT-LBD	A960GOT-EBA-EU A960GOT-EBD	A956GOT-SBD (-M3) A956GOT-LBD (-M3)
Display Type	TFT Liquid Crystal	TFT Liquid Crystal	TBA-EU: TFT Liquid Crystal SBA-EU: STN Liquid Crystal TBD-B: TFT Liquid Crystal	High-Luminance EL-B/W	High-Luminance EL	SBD: STN Liquid Crystal LBD: High-Luminance EL
Screen Size: diag. inch	12.1	10.4	10.4	10.4	8.9	5.7
Display Colors	256	256	TBA-EU: 16 SBA-EU: 8 TBD-B: 16	2	2	SBD: 8 LBD: 2
Resolution	800 x 600	640 x 480	640 x 480	640 x 480	640 X 400	640 X 400
Number of Touch Areas	1900	1200	1200	1000	1000	300
Memory	Flash ROM — 1 MB/4 MB					Flash ROM — 3 MB
Power Supply	TBA-EU: 100/240 VAC TBD: 24 VDC	TBA-EU: 100/240 VAC TBD-B: 24 VDC	TBA-EU: 100/240 VAC SBA-EU: 100/240 VAC TBD-B: 24 VDC	LBA-EU: 100/240 VAC LBD: 24 VDC	EBA-EU: 100/240 VAC EBD: 24 VDC	24 VDC
Weight: kg (lbs.)	TBA-EU: 2.35 (5.18) TBD: 2.30 (5.07)	1.70 (3.75)	TBA-EU: 1.78 (3.92) SBA-EU: 1.78 (3.92) TBD-B: 1.80 (3.97)	1.70 (3.75)	EBA-EU: 1.58 (3.48) EBD: 1.60 (3.53)	0.67 (1.48)
Panel Cut Out: mm (inch)	302 (11.89) W x 228 (8.98) H	289 (11.38) W x 200 (7.87) H	289 (11.38) W x 200 (7.87) H	289 (11.38) W x 200 (7.87) H	258 (10.16) W x 183 (7.20) H	156 (6.14) W x 123.5 (4.86) H

Product	External Dimensions: mm (inch)											
	A	B	C	D	E	F	G	H	I	J	K	L
A985GOT	247 (9.72)	238 (9.37)	245 (9.65)	312 (12.28)	245 (9.65)	237 (9.33)	227 (8.94)	10 (0.39)	49 (1.93)	43 (1.69)	301 (11.85)	6 (0.24)
A975/70GOT	219 (8.62)	208 (8.19)	235 (9.25)	297 (11.70)	229 (9.02)	209 (8.23)	199 (7.84)	10 (0.39)	46 (1.81)	40 (1.58)	288 (11.35)	6 (0.24)
A960	202 (7.95)	192 (7.56)	204 (8.03)	268 (10.55)	198 (7.80)	192 (7.56)	182 (7.17)	10 (0.39)	49 (1.93)	43 (1.69)	257 (10.13)	6 (0.24)
A950/A951/ A953/A956	143 (5.63)	136 (5.35)	111.7 (4.40)	156 (6.14)	116.3 (4.58)	133 (5.24)	123.5 (4.86)	10 (0.39)	57 (2.24)	51 (2.01)	155.5 (6.12)	6 (0.24)



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### Corporate Headquarters:

Mitsubishi Electric Automation, Inc.  
500 Corporate Woods Parkway  
Vernon Hills, IL 60061  
Phn: (847) 478-2100  
Fax: (847) 478-2253  
[www.meau.com](http://www.meau.com)

Mitsubishi Electric Automation, Inc.  
4299 14th Avenue  
Markham, Ontario L3R 0J2  
Phn: (905) 475-7728  
Fax: (905) 475-7935

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