

## คุณสมบัติ

### HMI

- จอแสดงผลขนาด 3.5 นิ้ว, 4.3 นิ้ว และ 7 นิ้ว
- จอแสดงผลชนิด TFT ความละเอียด สี 65,536 สี + LED Backlight
- แสดงผลในรูปแบบกราฟเส้นได้
- IP66/65/NEMA4X

### PLC

- I/O options include high - speed, temperature & weight measurement
- Auto-tune PID, up to 2 independent loops
- สามารถสื่อสารแบบ RS232/485, Ethernet, CANBUS และ USB ได้

3.5"

4.3"

7"



## ข้อมูลทางเทคนิค

**it's SAMBA time!**  
**Improve your competitive advantage.**  
**Great look - incredible price.**

Article Number	SM35-J-R20 SM43-J-R20 SM70-J-R20 <b>NEW</b>	SM35-J-T20 SM43-J-T20 SM70-J-T20 <b>NEW</b>
	10 Digital Inputs 2 Digital/Analog <sup>1</sup> 8 Relay Outputs	10 Digital Inputs 2 Digital/Analog 8 Transistor Outputs
Inputs		
Digital	12	12
HSC/Shaft-Encoder/Max. Freq. Measurer <sup>2,3</sup>	1 32-bit 30 kHz 2 10-bit	3 32-bit 30 kHz 2 10-bit
Analog	0-10v 0-20mA, 4-20mA	0-10v 0-20mA, 4-20mA
Outputs		
Digital	8 relay	8 pnp
High-Speed Outputs/PWM	None	Outputs 0 to 6 can be used as PWM outputs 0.5 kHz
I/O Expansion		
	Remote I/Os via CANbus	
Program		
Application Memory	SM35 Application Logic – 112kb, Images: 1 MB, Fonts: 512 k SM43 Application Logic – 112kb, Images: 2 MB, Fonts: 512 k <b>NEW</b> SM70 Application Logic – 112kb, Images: 5 MB, Fonts: 512 k	
Scan Time	15µS per 1K of typical application	
Memory Operands	512 coils, 256 registers, 32 long integers (32-bit), 32 double words (32-bit unsigned), 24 floats, 32 timers (32-bit), 16 counters. Additional non-retainable operands: 64 X-bits, 32 X-integers, 16 X-long integers, 16 X-double words	
I/O Expansion		
	Remote I/Os via CANbus	
Program		
Application Memory	SM35 Application Logic – 112kb, Images: 1 MB, Fonts: 512 k SM43 Application Logic – 112kb, Images: 2 MB, Fonts: 512 k <b>NEW</b> SM70 Application Logic – 112kb, Images: 5 MB, Fonts: 512 k	
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**ข้อมูลทางเทคนิค (ต่อ)**

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Program		
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Data Tables	32K dynamic RAM data (recipe parameters, datalogs, etc.), up to 16K Flash data	
SD Card (Micro)	None	
Enhanced Features	Trends: graph any value and display on HMI, String Library: instantly switch HMI language	
Operator Panel		
Type & Colors	TFT LCD, 65,536 colors, 16 bit resolution, Brightness - Adjustable via touchscreen or software	
Display	SM35	Resolution: 320 x 240 pixels, Size: 3.5" (QVGA)
	SM43	Resolution: 480 x 272 pixels, Size: 4.3"
	<small>NEW</small> SM70	Resolution: 800 x 480 pixels, Size: 7"
Touchscreen	Resistive, Analog	
Keys	Displays virtual keyboard when the application requires data entry	
General		
Power Supply	24VDC	
Battery	7 years typical at 77°F, battery back-up for RTC and system data, including variable data	
Environment	NEMA4X/IP66/IP65 (when panel mounted)	
Clock	Real-time clock functions (date and time)	

**FREE**  
Integrated HMI/PLC software

**FREE**  
Unlimited tech support

1. When selecting NPN for the digital inputs, the 2 Analog inputs cannot be used.
2. Certain inputs can function as high-speed counters, shaft-encoder inputs, or normal digital inputs.
3. This specification depends on cable length.

**Additional COM Modules**

Isolated RS232/RS485 V100-17-RS4X	RS232/RS485 V100-17-RS4	Ethernet V100-17-ET2	CANbus V100-17-CAN
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**คุณสมบัติพิเศษ**

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| <input checked="" type="checkbox"/> Color Display  | <input checked="" type="checkbox"/> Web Server            | <input checked="" type="checkbox"/> Remote Expansion**   |
| <input checked="" type="checkbox"/> Touch Screen   | <input checked="" type="checkbox"/> Send e-mail           | <input type="checkbox"/> Audio Player                    |
| <input checked="" type="checkbox"/> HMI Graph      | <input type="checkbox"/> VNC connect to Smart Phone or PC | <input checked="" type="checkbox"/> Auto-tune PID        |
| <input checked="" type="checkbox"/> Multi Language | <input checked="" type="checkbox"/> CANbus**              | <input checked="" type="checkbox"/> Data Logging & Trend |
| <input type="checkbox"/> Keypad                    | <input checked="" type="checkbox"/> MODBUS                | <input checked="" type="checkbox"/> Data Table           |
| <input checked="" type="checkbox"/> Alarm History  | <input checked="" type="checkbox"/> SMS                   | <input checked="" type="checkbox"/> Remote Access        |
| <input type="checkbox"/> SD Card                   | <input type="checkbox"/> Snap-in I/O                      |  |
| <input checked="" type="checkbox"/> TCP/IP*        | <input type="checkbox"/> Expansion                        |  |
| <input type="checkbox"/> USB                       |   |  |

\* Option Card

\*\* Option Card CANBUS