

MyCore

MAYEKAWA
MYCOM

Control Panel

Reciprocating Compressors



MyCore RC-100
Control Panel

<https://mayekawa.com/americas/mna>

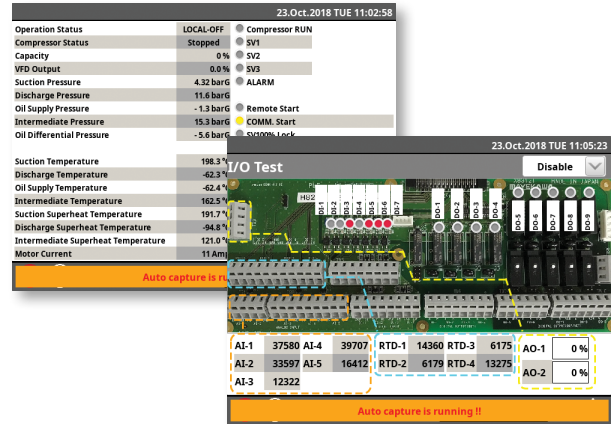
MyCore RC-100 Control Panel

Controller for MYCOM reciprocating & mini-screw compressors

MyCore RC-100 is the next generation controller for MYCOM reciprocating and min-screw compressors replacing the MYPRO CP1A and MYPRO iP. It has controlling capabilities for MYCOM M, WA/WB, WBHE, HK, L, and K reciprocating compressor models as well as MYCOM MHS 1290/1410 and the i mini-screw compressor models.

STANDARD FEATURES

- 5.7" resistance film type touch screen
- Multiple languages
- USB connection for import and export settings, data logging and screen captures
- Modbus RTU over RS485 network, to provide remote control of panel
- Modbus TCP/IP over Ethernet network, to provide remote control of panel
- Automatic capacity control by suction pressure sensor



- Manual operation of capacity control, and any PID controllers
- Self-diagnosis of sensor malfunctions
- User event function to manage changes of setting values, and operation logs
- Equipped with VNC server, to provide remote viewing capabilities.

SPECIFICATIONS

General Specifications

Supply Voltage	100 - 240 VAC 50/60 Hz
Operating Temperature	+32 °F (0 °C) to +131 °F (+55 °C)
Ambient Humidity	85% RH or less (non-condensing)

IO Specifications

Analog Input	Current	4~20 mA (Input Impedance 250 Ω)	Max. 5
	Voltage	1~5 VDC (Input Impedance 100k Ω)	
	Temperature	100 Ω Platinum	Max. 4
	Power	12/24 VDC	
Analog Output	Current	4~20 mA (Resistive Load 500 Ω)	Max. 2
Digital Input	Contact	PNP (24 VDC from base board)	Max. 7
Digital Input	Dry Contact	Dry N.O. contact	Max. 5
	PNP Contact	24 VDC supplied from controller	Max. 2
Digital Output	Mechanical Relay	5A at 250 VAC	Max. 4
	Solid State Relay	0.1A to 2A at 100 to 240 VAC Leakage: 1.5 mA max at 200 VAC	Max. 5

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