

GUARDIAN[®]

INTEGRATED ENGINE + COMPRESSOR CONTROL

SPECIFICATIONS

GS1250

GM SERIES

GC SERIES

GX SERIES



GUARDIAN[®] INTEGRATED ENGINE + COMPRESSOR CONTROL				
	GS1250	GM SERIES	GC SERIES	GX SERIES

TYPICAL APPLICATIONS ENGINE & ELECTRIC DRIVERS

Applications	Reciprocating, Rotary Screw Gas Compressors, Coalbed Methane Compressors, VRU Compressors, Pumps
Engines	Caterpillar, Waukesha, Ajax, Cooper, Ingersol Rand, Fairbanks, Superior, etc
Compressors	Ariel, Dresser Rand, Cooper, Frick, Gemini, Howden, Sullair, Superior, etc

PANEL HARDWARE

PLC	A-B SLC500 Series	A-B MicroLogix Series	A-B CompactLogix/ControlLogix	A-B CompactLogix/ControlLogix
HMI	12.5" PanelView Plus Colour Touchscreen	4" Keypad, 7", 10" Colour Touchscreen (PanelView Plus)	4" Keypad, 7", 10" Colour Touchscreen (PanelView Plus)	15" Colour Touchscreen Windows PC
Digital Inputs	Up to 64	Up to 36	Up to 64	Up to 120
Digital Outputs	Up to 64	Up to 28	Up to 64	Up to 64
Analog Inputs TC/RTD	Up to 32 Up to 48	Up to 32	Up to 80	Up to 128
Analog Outputs	8 to 16	Up to 8	Up to 32	Up to 32

COMMUNICATIONS

Ethernet	Optional	Yes	Yes	Yes
Modbus	Optional	Yes	Optional	Optional
DH Plus	Yes	No	Optional	Optional
Engine Panels	ESM - ADEM	ESM - ADEM	ESM - ADEM	ESM - ADEM

FEATURES

Standard PID Loops	16	16	19	32
Single Setpoint Suction Control	Yes	Yes	Yes	Yes
Single Setpoint Discharge Control	Yes	Yes	Yes	Yes
Inlet Level Override Control	Yes	Yes	Yes	Yes
Load/HP Override Control	Yes	Yes	Yes	Yes
Blowcase Control	Yes	Yes	Yes	Yes
Load/HP Calculations	Yes	Yes	Yes	Yes
Trending	Graphical	4" - No 7", 10" -Graphical	4" - No 7", 10" -Graphical	Graphical
First Out Alarming	Yes	Yes	Yes	Yes
Transmitter Failure Alarming	Yes	Yes	Yes	Yes
Real Time and Historical Summaries	Yes	No	Yes	Yes
On-line Configuration of Alarm Setpoints, Ranges	Yes	Yes	Yes	Yes
Mode for Soft Bypass	Yes	Yes	Yes	Yes
Mode for Testing Outputs	Yes	Yes	Yes	Yes
Standardize Alarm Setpoints, Ranges	Yes	Yes	Yes	Yes

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