

Kurt J. Lesker[®] Company

Accessory part number and connection
schematics for KJLC[®] MGC 3400 Multi-
Gauge Controller



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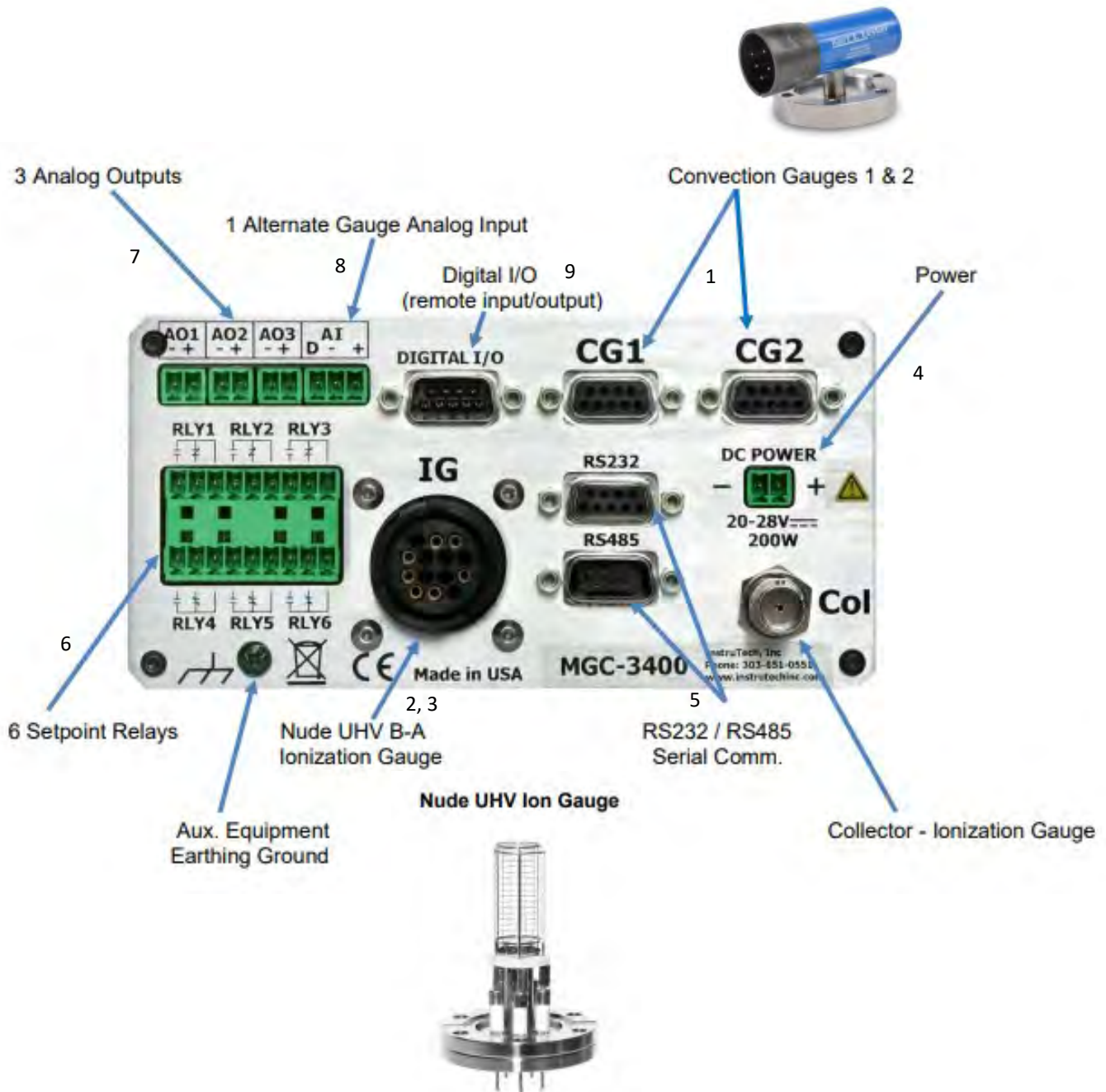
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MGC 3400 Cable Schematic



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MGC 3400 Ordering Information

MGC 3400 Controller	
Item	Part Number
MGC 3400 Controller	MGC-4300
Rack Mount, 1 controller, 19"	000849
Rack Mount, 2 controllers, 19"	001007

Cable 1: KJLC 275 Convection Gauge (2x required)		
Cable Length	Cable Part Number	KJL275 Cable
10 ft (3m)	CB421-1-10F	
25 ft (8m)	CB421-1-25F	
50 ft (15m)	CB421-1-50F	
>50 ft	Consult Factory	

Cable 2: KJLC Nude Hot Filament Ion Gauge (only 1x ion cable required)		
Cable Length	Cable Part Number	Nude IG Cable
10 ft (3m)	IRN441-1-10F	
25 ft (8m)	IRN441-1-25F	
50 ft (15m)	IRN441-1-50F	
>50 ft	Consult Factory	

Cable 3: KJLC Nude Bakeable Hot Filament Ion Gauge (only 1x ion cable required)		
Cable Length	Cable Part Number	Nude IG Bakeable Cable with push-on sockets
10 ft (3m)	IRNBD441-1-10F	
25 ft (8m)	IRNBD441-1-25F	
50 ft (15m)	IRNBD441-1-50F	
>50 ft	Consult Factory	

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MGC 3400 Ordering Information

Cable 4: Power Supply (1x required)		
Region	Cable Part Number	AC Cable
US	KJLPS330UA	Included
UK	KJLPS330UX	IEC-320-C13
EU	KJLPS330UX	IEC-320-C13-EURO

Cables 5-9: Relays and I/O
Customer Fabricated, pinouts in manual

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MGC 3400 Ordering Information

Compatible Gauges with Cable 1: (2x required)

Gauge Type	Flange	Part Number
Convection Enhanced Pirani	1/8" NPT	KJL275071
Convection Enhanced Pirani	KF16	KJL275203
Convection Enhanced Pirani	KF25	KJL275196
Convection Enhanced Pirani	KF40	KJL275316
Convection Enhanced Pirani	DN16CF	KJL275256
Convection Enhanced Pirani	DN40CF	KJL275238
Convection Enhanced Pirani	4 VCR Female	KJL275185
Convection Enhanced Pirani	8 VCR Female	KJL275282

Compatible Gauges with Cables 2 and 3: (1x required) (contact KJLC for compatible gauges from other manufacturers)

Technology	Filament Type	Flange	Part Number
Nude UHV Hot Filament Ion Gauge	DN35CF-DN40CF	Thoria-Coated Iridium	G8130
Nude UHV Hot Filament Ion Gauge	DN35CF-DN40CF	Tungsten	G8130T

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