

# Kurt J. Lesker<sup>®</sup> Company

Accessory part number and connection  
schematics for KJLC<sup>®</sup> MGC 3300 Multi-  
Gauge Controller



**Kurt J. Lesker<sup>®</sup>**  
Company **Enabling Technology for a Better World | [www.lesker.com](http://www.lesker.com)**

Kurt J. Lesker Company  
United States - [salesus@lesker.com](mailto:salesus@lesker.com)  
+1 412 387 9200  
+1 800 245 1656

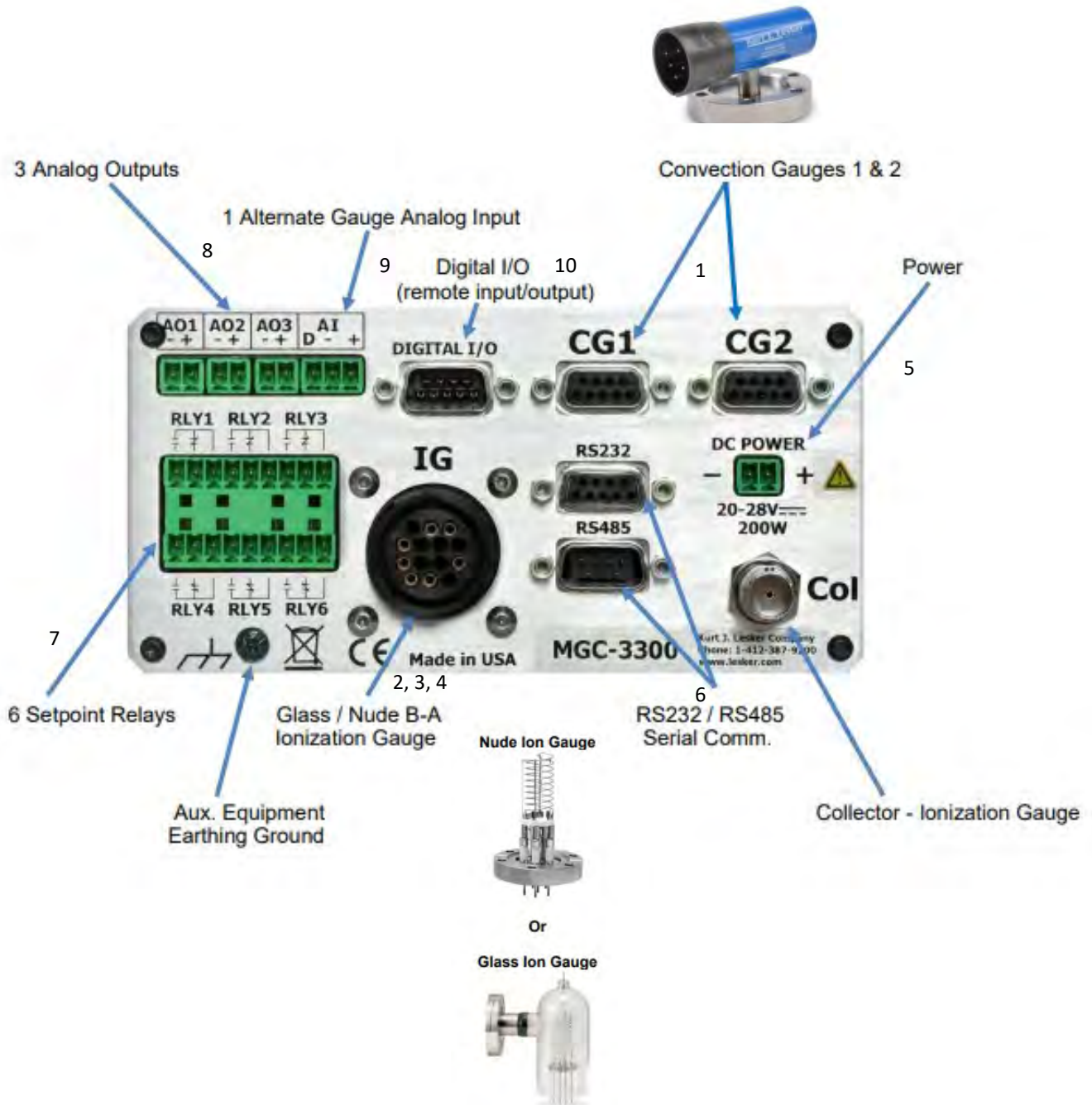
Kurt J. Lesker Canada Inc.  
Canada - [salescan@lesker.com](mailto:salescan@lesker.com)  
+1 416 588 2610  
+1 800 465 2476

Kurt J. Lesker Company Ltd.  
EMEIA - [EMEIASales@lesker.com](mailto:EMEIASales@lesker.com)  
+44 (0) 1424 458100

Kurt.Lesker (Shanghai) Trading Company  
科特·莱思科(上海)商贸有限公司  
Asia - [salesasia@lesker.com](mailto:salesasia@lesker.com)  
+86 21 50115900



# MGC 3300 Cable Schematic



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## MGC 3300 Ordering Information

<b>MGC 3300 Controller</b>	
Item	Part Number
MGC 3300 Controller	MGC-3300
Rack Mount, 1 controller, 19"	000849
Rack Mount, 2 controllers, 19"	001007

<b>Cable 1: KJLC 275 Convection Gauge (2x required)</b>		
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	

<b>Cable 2: KJLC Glass Hot Filament Ion Gauge (only 1x ion cable required)</b>		
Cable Length	Cable Part Number	Glass IG Cable
10 ft (3m)	IRG441-1-10F	
25 ft (8m)	IRG441-1-25F	
50 ft (15m)	IRG441-1-50F	
>50 ft	Consult Factory	

<b>Cable 3: KJLC Nude Hot Filament Ion Gauge (only 1x ion cable required)</b>		
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	

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## MGC 3300 Ordering Information

<b>Cable 4: KJLC Nude Bakeable Hot Filament Ion Gauge (only 1x ion cable required)</b>		
Cable Length	Cable Part Number	<b>Nude IG Bakeable Cable with push-on sockets</b>  
10 ft (3m)	IRNBD441-1-10F	
25 ft (8m)	IRNBD441-1-25F	
50 ft (15m)	IRNBD441-1-50F	
>50 ft	Consult Factory	

<b>Cable 5: Power Supply (1x required)</b>		
Region	Cable Part Number	AC Cable
US	KJLPS330UA	Included
UK	KJLPS330UX	IEC-320-C13
EU	KJLPS330UX	IEC-320-C13-EURO

<b>Cables 6 –10: Relays and I/O</b>
Customer Fabricated, pinouts in manual

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## MGC 3300 Ordering Information

<b>Compatible Gauges with Cable 1:</b>		
<b>Gauge Type</b>	<b>Flange</b>	<b>Part Number</b>
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

<b>Compatible Gauges with Cable 2: (contact KJLC for compatible gauges from other manufacturers)</b>			
<b>Technology</b>	<b>Filament Type</b>	<b>Flange</b>	<b>Part Number</b>
Glass Hot Filament Ion Gauge	DN35CF-DN40CF	Thoria-Coated Iridium	G075F
Glass Hot Filament Ion Gauge	3/4" O.D. Kovar Tube	Thoria-Coated Iridium	G075K
Glass Hot Filament Ion Gauge	3/4" O.D. Kovar Tube	Thoria-Coated Iridium	G075K-PT
Glass Hot Filament Ion Gauge	3/4" O.D. Borosilicate Glass Tube	Thoria-Coated Iridium	G075N
Glass Hot Filament Ion Gauge	3/4" O.D. Kovar Tube	Tungsten	G075TK
Glass Hot Filament Ion Gauge	DN35CF-DN40CF	Thoria-Coated Iridium	G100F

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## MGC 3300 Ordering Information

<b>Compatible Gauges with Cable 2 cont.:</b> <b>(contact KJLC for compatible gauges from other manufacturers)</b>			
<b>Technology</b>	<b>Filament Type</b>	<b>Flange</b>	<b>Part Number</b>
Glass Hot Filament Ion Gauge	DN35CF-DN40CF	Thoria-Coated Iridium	G100F-PT
Glass Hot Filament Ion Gauge	1.0" O.D. Kovar Tube	Thoria-Coated Iridium	G100K
Glass Hot Filament Ion Gauge	1.0" O.D. Kovar Tube	Thoria-Coated Iridium	G100K-PT
Glass Hot Filament Ion Gauge	KF25	Thoria-Coated Iridium	G100KQF25
Glass Hot Filament Ion Gauge	KF40	Thoria-Coated Iridium	G100KQF40
Glass Hot Filament Ion Gauge	1.0" O.D. Borosilicate Glass Tube	Thoria-Coated Iridium	G100N
Glass Hot Filament Ion Gauge	1.0" O.D. Borosilicate Glass Tube	Thoria-Coated Iridium	G100N-PT
Glass Hot Filament Ion Gauge	DN35CF-DN40CF	Tungsten	G100TF
Glass Hot Filament Ion Gauge	1.0" O.D. Kovar Tube	Tungsten	G100TK
Glass Hot Filament Ion Gauge	1/2" O.D. 7052 Glass Tube	Tungsten	GX050-015-2
Glass Hot Filament Ion Gauge	3/4" O.D. 7052 Glass Tube	Tungsten	GX075-016-2
Glass Hot Filament Ion Gauge	3/4" O.D. Borosilicate Glass Tube	Tungsten	GX075-016-P

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## MGC 3300 Ordering Information

### Compatible Gauges with Cable 2 cont.: (contact KJLC for compatible gauges from other manufacturers)

Technology	Filament Type	Flange	Part Number
Glass Hot Filament Ion Gauge	1.0" O.D. 7052 Glass Tune	Tungsten	GX100-017-2
Glass Hot Filament Ion Gauge	DN35CF-DN40CF	Thoria-Coated Iridium	GX100-564F
Glass Hot Filament Ion Gauge	1.0" O.D. Kovar Tube	Thoria-Coated Iridium	GX100-564K
Glass Hot Filament Ion Gauge	1.0" O.D. Borosilicate Glass Tube	Thoria-Coated Iridium	GX100-564N

### Compatible Gauges with Cables 3 and 4: (contact KJLC for compatible gauges from other manufacturers)

Technology	Filament Type	Flange	Part Number
Nude Hot Filament Ion Gauge	DN35CF-DN40CF	Thoria-Coated Iridium	G8120-A
Nude Hot Filament Ion Gauge	DN35CF-DN40CF	Thoria-Coated Iridium	G8140
Nude Hot Filament Ion Gauge	DN35CF-DN40CF	Thoria-Coated Iridium	G8140-DI
Nude Hot Filament Ion Gauge	DN35CF-DN40CF	Tungsten	G8140-DT

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