



JGH-1 | JGH-2

Sample Gas Heating Units



APPLICATION

- Extractive gas analysis with cold sample gas
- For hot/wet and cold/dry analyzers
- Heating for cold sample gas
- Vaporization of aerosols/liquids
- Continuous gas analysis

BENEFITS

- Easy operation
- Safety for analyzer
- Reliable measurement results
- Reliable protection for gas analyzers

FEATURES

- Heats sample gas to analyzer needs
- 1 or 2 stream version available
- Independent temperature adjustment for each sample gas stream (JGH-2)
- Independent status contact for each sample gas stream (JGH-2)
- Homogenous heating of sample gas without cold spot
- 2.2 m (7.22 ft) long SS heating coil
- 250 W/channel heating power for each sample stream



TECHNICAL DATA

MODEL	JGH-1	JGH-2
Description	sample gas heating unit	
Sample gas streams	1	2

OPERATION

Operating temperature	5...200 °C (180 °C factory setting) independent adjustable for each stream	
Sample inlet temperature	max. 250 °C	
Ambient temperature	0...45 °C	
Operating pressure	max. 0 up to 80 bara	
Start-up time	< 30 min	
Sample gas flow	depending on pressure	
Heating capacity	250 W/channel	
Heating coil length	2,170 mm/channel (85.43 in/channel)	
Dead volume	42.6 cm ³ (2.6 in ³)	

CONSTRUCTION

Dimensions all over (W x H x D)	483 x 132.5 x 507.3 mm (19.02 x 5.22 x 19.97 in)	
Weight	11 kg (24.25 lbs)	14.5 kg (31.97 lbs)
Installation	19" rack	
Connections inlet/outlet	4/6 mm pipe stubs	
Sample gas wetted materials	SS316Ti	
Housing / Mounting	19" rack mount, 3 HU	
Front panel / Color	natural aluminum / galvanized sheet steel	
Protection class	IP20 (IEC EN 60529)	
Approvals / Signs	CE	

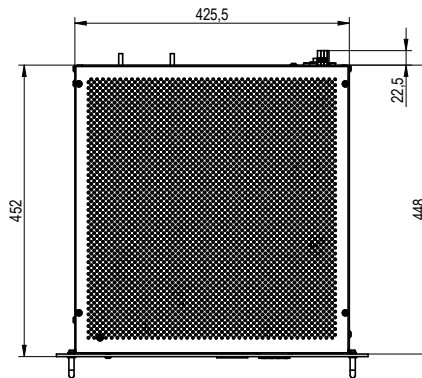
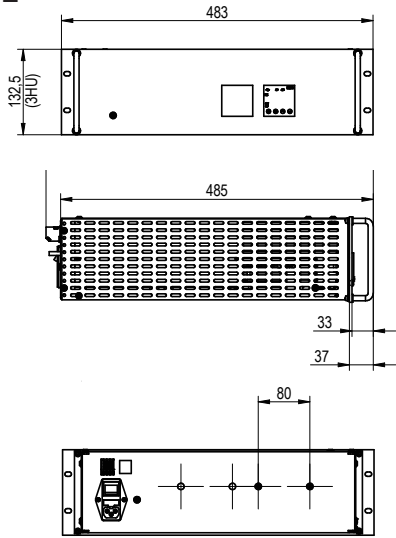
ELECTRICS

Power supply	230 VAC 50/60 Hz or 115 VAC 50/60 Hz ±10 %	
Power consumption	260 W	520 W
Power connection	device socket IEC 60320 C14 to IEC 7/7 plug, 2 m cable	
Fusing (in IEC device socket)	lead fuse T5A	
Temperature controller	1	2
On time	100 %	
Temperature alarm limits	± 20 K	
Alarm delay	0.5 sec	
Status relay	voltage free SPST contact	
Switching capacity relay	max. 220 VAC / 30 VDC, 0.5 A, min. 5 VADC 5 mA	

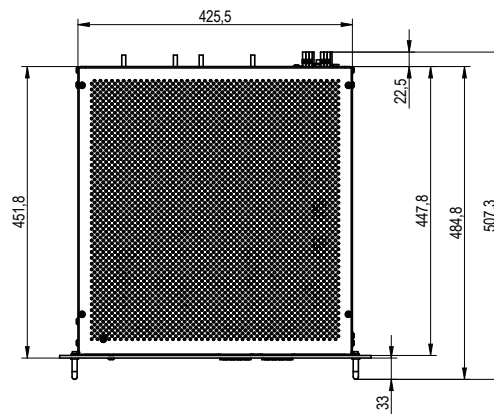
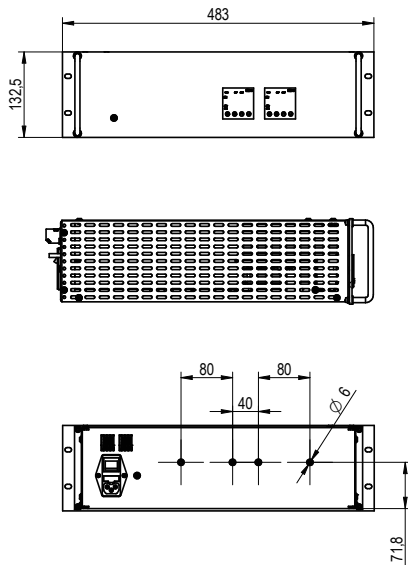
DIMENSIONS

dimensions in mm

JGH-1



JGH-2



ORDER CODES

Part No.	Description
17.41005	JGH-1 Sample Gas Heating Unit 1 channel, 230 V 50/60 Hz
17.41015	JGH-1 Sample Gas Heating Unit 1 channel, 115 V 50/60 Hz
17.41000	JGH-2 Sample Gas Heating Unit 2 channels, 230 V 50/60 Hz
17.41010	JGH-2 Sample Gas Heating Unit 2 channels, 115 V 50/60 Hz