TRI-GAS-MIXER-15L





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Technical Data		
	TRI-GAS-MIXER-1.5L	TRI-GAS-MIXER-15L
Output maximum flowrate	1.5 L/min	15 L/min
Output pressure	0-2 barg (0-30 psig)
CO2 mixing range	0-1	.0%
O2 mixing range	0-1	0 %
Max input pressure - control	5 b	arg
unit		
Display	4.3" TFT display with a	capacitive touchscreen
CO2-O2-MODULE		
CO2 sensor	Non-Dispersive InfraRe	d (NDIR) detector
CO2 accuracy	±0.1 %*	
O2 sensor	Fluorescence-based Op	tical Oxygen Sensor
O2 accuracy	±0.1 %*	
CO2-O2-MODULE lifetime	5 years	
*Typical reference conditions are 25	°C and 1013 mbar	
Dimensions		

Tri-Gas Mixer control unit	270x140x325 mm		
Tri-Gas Mixer control unit weight	7.8	kg	
Mixing tank	240x427x240 mm	450x660x450 mm	
Mixing tank volume	5 L	40 L	
Air compressor ³	180x520x470 mm	400x400x550 mm	
Control unit rear panel			
Input Gas	Push to fit connector ¹		
Purge	Push to fit connector ¹		

TRI-GAS-MIXER-1.5L

2 Purge From/To tank Gas Output

Push to fit connector¹ Stainless steel ¼" compression tube fittings male connector Sampling Port Barb connector for 6 mm OD soft tubes 6 Analog Output 0-10 V or 4 Poles Mini DIN female connector, to connect the Analog Output cable

0/4-20 mA Alarm contact closure

Screw terminal 8 LAN port RJ-45 port USB type-A-port to connect: USB port - WIFI Dongle USB key2 - USB key for Data Download

Gas Input Minimum Pressure Requirements [barg]

Outpu	t pressure ≤ 1	Output pressure > 1
CO2, N2, Air	2.4	Output pressure + 1.4
Premixed backup	1.2	Output pressure + 0.2
Calibration gas		2.0
Pressure Gauges		
Max input pressure		10 barg
Min outlet pressure		0 barg
Max outlet pressure		4 barg
Input connectors		Push to fit connector ¹
Output connectors		Push to fit connector ¹
Wall fixing screws		#2 M4 screws
Mounting position		In any position
Power supply		
Tri-Gas Mixer supply voltage	24 VDC	
Power consumption	60W	
Environmental Conditions		
Temperature range	5°C - 40	°C
Relative Humidity	0 – 95%	
Barometric Pressure	800 – 12	200 mbar
IP rating – control unit	IP30	
Components		Included Optional
Tri-Gas Mixer control unit		

2 Mixing tank

Mixing tank support

Pressure gauges, #5

Analog Output cable

6 Power supply

Air compressor

Bottle for water condensate, included with Air compressor

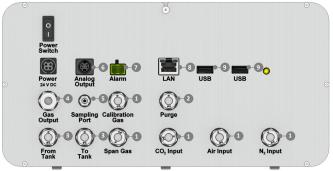
Power supply, included with Air compressor

0 VOC filter

VOC filter panel

Gas tubing	Material
Gas Input tubing	Polyurethane
Mixing tank tubing	Teflon, with stainless steel valv
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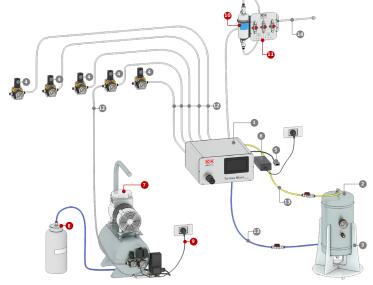
Polyurethane, ¼" OD, with Stainless steel ¼" Gas Output tubing compression tube fittings - male connector



a. Tri-Gas Mixer control unit rear panel

Analog Output Cable	
Input connector	4 Poles Mini DIN male connector
Output connector	Screw terminal, to connect an external logger

¹ Tubes and connectors are 6 mm OD in Countries using metric system, ¼ inch in the US and Countries using imperial system.



b. Tri-Gas Mixer components

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Page 1 of 1 - Rev_01_October 2019

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² Not supplied by Okolab.