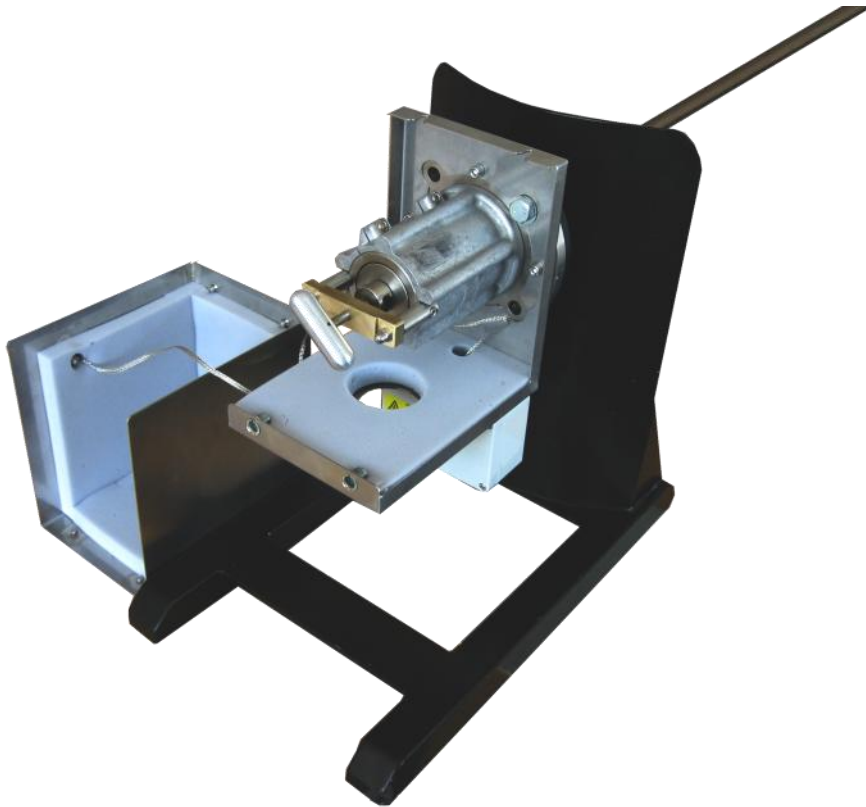


## JES 301L Gas Sample Probe



**JCT**  
Analysentechnik  
GmbH



### Sample Probes

Heated Hoses

Conditioners

NOx converter

Accessories

### APPLICATION

- For continuous gas sampling in processes with dust content and humidity
- Removing aerosols and dust from sample
- Extractive gas analysis
- Emission monitoring and process monitoring
- For outdoor and indoor use

### BENEFITS

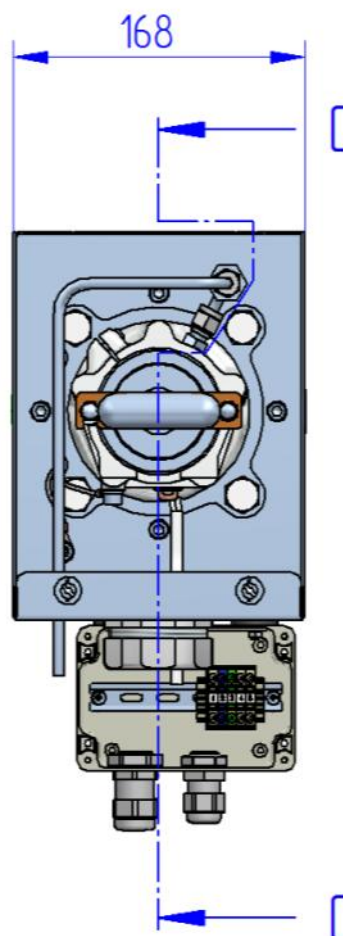
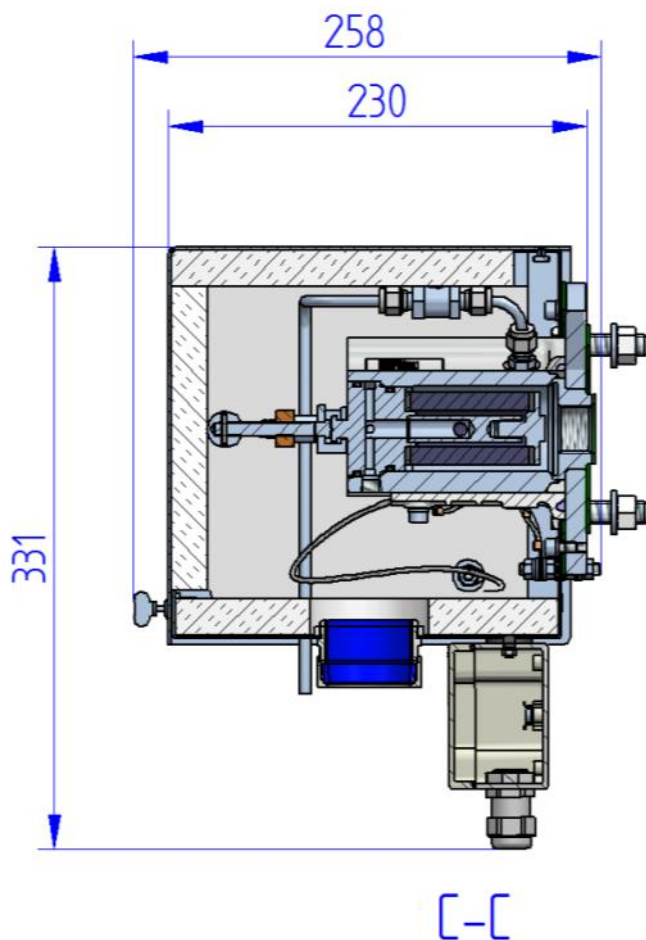
- Convenient filter replacement
- Small outlines
- Quick heat up, max. 30 min.
- Suitable for standard applications

### FEATURES

- Filter replacement without tools
- 2 µm filter element heated to 180°C
- Filtration from outside to inside
- Calibration gas port (option)
- Heated sample hose connected directly to heated sampling probe
- Weather protection housing
- For dust concentrations up to 1 g/m<sup>3</sup>
- Self regulating PTC heater
- Low temperature status contact
- No temperature controller needed



## TECHNICAL DATA



SPECIFICATIONS	
Filter element	Bonded silicon carbide; pore size 2µm; 40/20x66 mm
Operating pressure	max. 200 kPa abs.
Mounting flange Option	DN 65, PN6; DIN 2573; SS316Ti 2" ANSI-flange, 150lbs.
Mounting angle	recommended 5°-15° incline to allow condensate drainage
Sample gas inlet	G3/4" female thread
Sample gas outlet	1/8" NPT female thread
Calibration port (option)	4/6mm pipe stub
Gas wetted parts	SS316Ti, SiC, Viton® (FKM)
Operating temperature	approx. 180°C
Heater element	PTC self limited
Low temperature threshold	150°C
Heat up time	approx. 30 min

SPECIFICATIONS	
Ambient temperature	-20°C ... +60°C
Dust load	max. 1g/m <sup>3</sup> , flow dependant
Power consumption	approx. 300 VA
Power supply	115-230VAC 50/60Hz
Connection terminal	Springtype terminal clamping range 0,08....2,5 mm <sup>2</sup>
Cable entry power supply	Conduit M20
Cable entry status contact	Conduit M16
Contact rating status contact (volt free)	min. 24VDAC/50mA max. 230VAC/5A cosP 0,95
Protection class	IP43 according to EN60529
Weather protection housing	SS304, thermally isolated
Weight	approx. 9 kg
Zulassungen /Zeichen	CE

## ORDER CODE

Art.No.	Model <sup>*1</sup>	Filter	Options			Flange		Supply voltage
		2µm bonded silicon carbide	Calibration Port with Non Return Valve	Calibration Port without Non Return Valve	Weather protection	DN65/PN6	2" ANSI, 150 lbs	115VAC to 230VAC 50/60Hz
35.03000	JES 301L	X			X	X		X
35.03010	JES 301LC	X	X		X	X		X
35.03020	JES 301LA	X		X	X	X		X
35.03030	JES 301LZ	X			X		X	X
35.03040	JES 301LCZ	X	X		X		X	X
35.03050	JES 301LAZ	X		X	X		X	X

\*1 Scope of delivery: device, mounting material, gasket for flange, operating manual

### ACCESSORIES

Part No.	Description
35.03060	Sampling pipe, 12mm diameter, SS316Ti, max. 600°C, l = 1000 mm
35.00950	Gasket for sampling pipe 3/4"
35.90080	Male connector SS316, for 6 mm tube
35.90081	Male connector SS316, for 8 mm tube
35.90083	Male connector, SS316, for 1/4" tube
35.90084	Male connector, SS316, for 3/8" tube
35.90086	Male connector, SS316, for 6 mm tube
35.90087	Adapter for G3/8" connector SS316, for 10 mm tube

### FLANGE ADAPTER

Part No.	Material	Dimensions
35.08010	SS304 (1.4301)	DN65/PN6 to 2 1/2"
35.08030	SS304 (1.4301)	DN65/PN6 to DN80/PN6
35.08020	SS304 (1.4301)	DN65/PN6 to 3"
other adapters and materials on request		
35.01401	Thermal spacer	

### GASKET FOR FLANGE

Part No.	Description
35.00955	Flange gasket DN65
K3501004	Flange gasket ANSI 2"

### CONSUMABLE PARTS

Part No.	Description
35.93100	Consumables kit, consisting of 1 x O-ring A and B, 1 x filter element bonded SiC 2 µm, 2 x gaskets Viton®
35.90010	O-ring A, 200°C, Viton® (FKM)
35.90011	O-ring B, 200°C, Viton® (FKM)
35.93014	Filter element bonded SiC, 2 µm, 40/20 x 66mm
35.90015	Gasket for filter element, 200°C, Viton® (FKM)

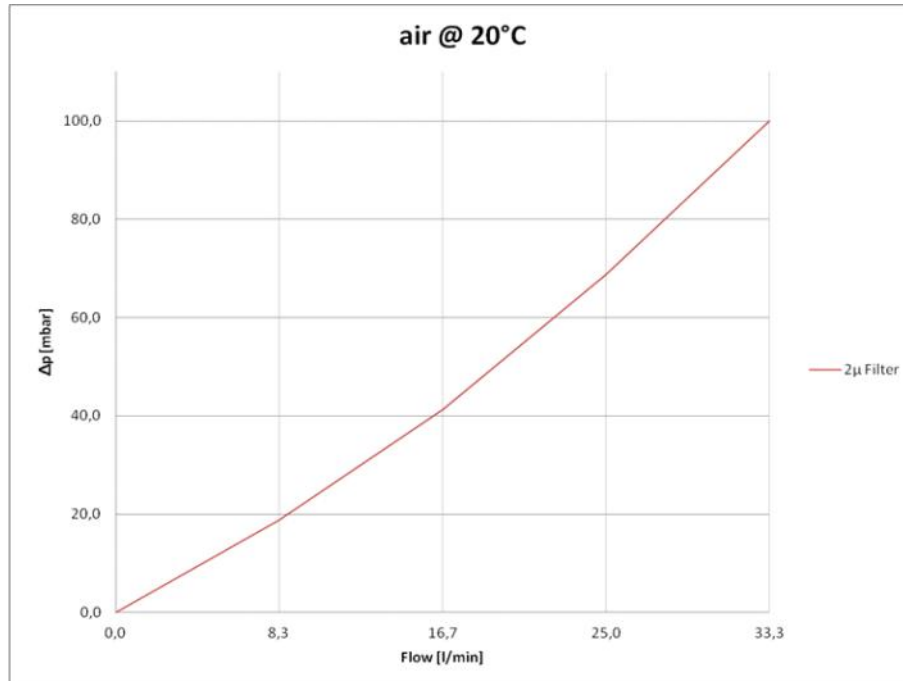
### SPARE PARTS

Part No.	Description
35.93050	Heater element for model JES 301L
35.93052	Heater element for models JES 301LC and JES 301LA
35.90070	T-handle assembly kit
35.90071	Extractor kit complete
K3522001	Non return valve

### ACCESSORIES FOR HEATED SAMPLE HOSE

Part No.	Description
35.00970	PG 42 fitting
35.00980	Compression fitting

## FLOW DIAGRAM



Specification subject to change without notice.

PDS\_E\_JES301L\_v1.2

### **JCT Analystechnik GmbH**

Werner Heisenberg-Straße 4 A-2700 Wiener Neustadt  
Tel. +43 (0) 2622 / 87201 Fax +43 (0) 2622 / 872011  
E-Mail: [sales@jct.at](mailto:sales@jct.at) Web: [www.jct.at](http://www.jct.at)

