

SERIES AST TYPE	AST301
Temperature controller	Capillary switch controller
Probe tube length L1	1000mm (others on request)
Sample temperature max.	500°C
Operating temperature max.	200°C
Pre filter optional	Optional
Sample gas inlet connection	G3/8
Dust loading	max.2g/m ³
Ambient temp	-20 °C to +70 °C
Storage temp	-30 °C to +70 °C
Ready for operation	Approx. 1h
Power supply	230VAC: 500W (115VAC: 500W on request)
Electrical connection	2 x 1.5mm ² + 1.5mm ²
Electrical standard	EN 61010 EN60519-1
Degree of protection	IP54 EN 60529
Outer diameter	28mm
Material of gas wetted parts	SS316
Filter element porosity and material	2µm in ceramics (other materials on request)
Operating temperature	0-320°C with Thermo-couple
Temperature control	Digital programmable PID-controller – optional with RS485 Modbus
Temperature alarm contact rating	Free programmable contact rated at 250V 3A Factory set at alarm point: ΔT 20°C
Sample gas outlet	¼" f NPT
Test gas/blowback connection	¼" f NPT
Mounting flange	DN65 PN6B SS316 other connections optional or on request
Sample gas inlet	G ¾" f
Power supply	230VAC/450W OR 115VAC/450W
Degree of Protection	IP54
Electrical connections	Terminals max. 4mm ² 2x PG13.5 cable gland
Electrical equipment standard	EN 61010 – EN 60519-1
Weight	Approx. 20 kg

SERIES AST TYPE	AST05X	AST10X	AST15X	AST20X
RS485	Optional	Optional	Optional	Optional
Probe tube length	500mm	1000mm	1500mm	2000mm
Sample temperature max.	500°C	500°C	450°C	400°C
Max. operating temperature.	200°C	200°C	200°C	200°C
Pre-Filter	Optional	Optional	Optional	Optional
Sample gas inlet connection	G3/4	G3/4	G3/4	G3/4
Dust loading	max. 2 g/m ³	max. 2 g/m ³	max. 2 g/m ³	max. 2 g/m ³
Probe tube volume	200ml/m	200ml/m	200ml/m	200ml/m
Sample pressure max.	5 bar g	5 bar g	5 bar g	5 bar g
Ambient temperature	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Storage temperature	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C
Ready for operation	Approx. 30 min	Approx. 30 min	Approx. 30 min	Approx. 30 min
Power supply (230VAC or 115VAC)	500W	800W	1200W	1500W
Electrical connection	2 x 2.5mm ² + 2.5mm ²	2 x 2.5mm ² + 2.5mm ²	2 x 2.5mm ² + 2.5mm ²	2 x 2.5mm ² + 2.5mm ²
Electrical standard	EN 61010 EN60519-1	EN 61010 EN60519-1	EN 61010 EN60519-1	EN 61010 EN60519-1
Degree of protection	IP54 EN 60529	IP54 EN 60529	IP54 EN 60529	IP54 EN 60529
Mounting flange	DN65 PN6	DN65 PN6	DN65 PN6	DN65 PN6
Material of wetted parts	SS316	SS316	SS316	SS316

AST APPLICATION	TUBETYPE	MAX. T [°C]	MATERIAL	CONNECTION	OUTER DIAMETER
After wet scrubber or high dew point	ADT 080 (Demistor tube)	90°C	PTFE	G ¾"o	40-70
Temp < 150°C	AST 411-412- 413	150°C	PTFE	G ¾"o	22
Temp < 600°C	AST 051- 404	600°C	SS316	G ¾"o	22
Temp < 900°C	AST 431-432-433-434	900°C	HastelloyC®	G ¾"o	22
Temp < 1400°C	AST 435-436-437	1400°C	Kanthal®	G ¾"o	20
HCl or high corrosive gas	AST 421-422-423-424	450°C	Titanium®	G ¾"o	22

ATF TOP-FILTER TYPE	TMAX	MATERIAL FILTER	FILTER PORISTY MM	DUST CONTENT G PER M ³	INTERNAL VOLUME	BACK-PURGING OPTION	FILTER LENGTH L1(MM)	FILTER DIAMETER	FILTER CONNECTION G
ATF180	600°C	SS316	5	02-Oct	No	Yes	180	40	¾"m
ATF181	600°C	SS316	5	45201	Yes	Yes	180	40	¾"m
ATF050	600°C	SS316	5	>10	No	Yes	500	40	¾"m
ATF051	600°C	SS316	5	>10	Yes	Yes	500	40	¾"m