

## Flue Gas Probe Eco TGP

### Description



### Technical data

Flue gas probe Eco TGP	
Measuring range	0...+800 °C
Sensor	Thermocouple type K
Accuracy	DIN EN 60584, class 1
Response time $t_{98}$	<50 s
Operating temperature	Up to +800 °C (Tube)
Tube length*	250 mm
Tube diameter	8 mm
Material tube	Stainless steel 1.4301
Handle	Polypropylene, black sprayed
Dimensions	50x40x12 mm
Hose construction	Tripple hose for temperature, gas and pressure analysis, open ends, 30 mm splitted at the end, synthetic rubber
Hose length*	1500 mm
Cable construction Thermocouple	Compensating cable, type K (NiCr-Ni), 2x0,22 mm <sup>2</sup> , PVC, green, DIN EN 60584 / IEC 584
Cable length*	1600 mm
Connection thermocouple	B+B miniature plug, green, type K (NiCr-Ni), DIN EN 50212
Environmental data	RoHS 2002/95/EG compliant
Article	Ordering number
Flue gas probe Eco TGP type K (NiCr-Ni)	0629 1069 with a common way for gas and pressure analysis
Flue gas probe Eco TGP type K (NiCr-Ni)	0629 1069-10 with separate ways for gas and pressure analysis

\*Further lengths on request

### Features

- Measuring tip with oblong hole
- Fast response time
- Protective tube made of stainless steel
- Molded handle
- Triple-hose
- B+B-miniature plug, green

### Areas of application

- Furnaces, which are subject to the directives of the 1. BImSchV (German Federal Emission Protection Directive)
- Determination of the efficiency
- Determination of the exhaust gas loses and the emissions
- Measuring of temperatures in the exhaust flow and the nominal heat output

### General description

The flue gas probe Eco TGP is ideal for combined temperature, gas and pressure measurements. Our probe can measure exhaust gas temperatures up to 800 °C by using a mineral insulated thermocouple type K, class 1. It distinguishes itself through an optimum cost effectiveness. All components are internationally standardized which results in an easier handling in worldwide service and repair. The gas probe TGP is suitable for all furnaces, which are subject to the directives of the 1. BImSchV (German Federal Emission Protection Directive). It serves for determining the efficiency, the exhaust gas loses, the temperature at the exhaust flow and the nominal heat output.

### Please note

Cone and fitting are not included in scope of delivery.

Accessories	Articlenumber
Cone for Ø 8 mm with locking screw, wrench width 22	0554 0122**
Cone for Ø 8 mm with locking screw	0554 0122-03**
B+B miniature socket type K (NiCr-Ni), green, DIN EN 50212	0220 0032**
B+B miniature socket case, green, type K (NiCr-Ni), DIN EN 50212	0220 0142**
Fitting	Customer-specific on request**

\*\*Not included in scope of delivery