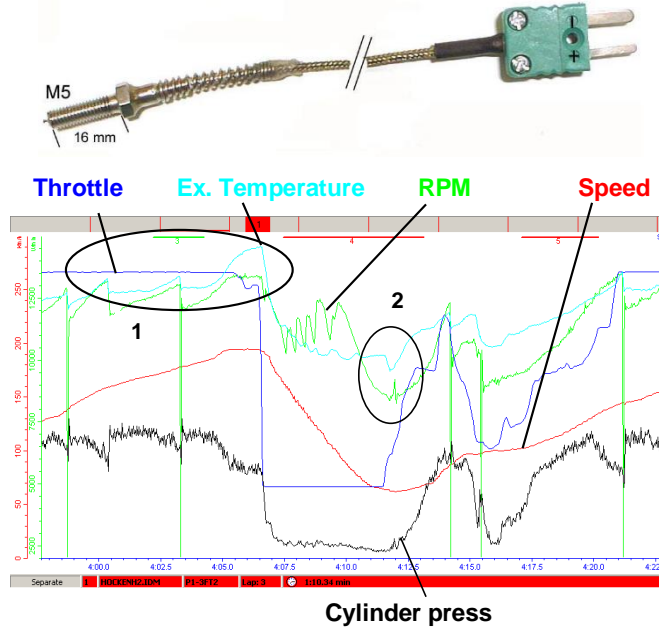


SA-TK01-000

Exhaust gas temperature sensor (NiCrNi)



1 = too rich while gear change

2 = Exhaust temperature down, hard throttle reaction

Function

- Temperature sensitive thermocouple measures exhaust gas temperature. Because of the low mass of the Type K sensor the incoming signal is an exact and fast reacting measurement.
- To measure the temperature you need an amplifier for each temperature sensor.

Advice:

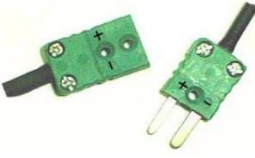
- Mount the sensor to the first part of the exhaust system (100 mm to 150 mm away from piston)
- The sensor is screwed inside until ca. 1 mm is looking inside the gas flow.
- More the sensor is screwed inside, the better is the resolution. But the sensor will break earlier.

Notice:

- For more cylinders it is better to use a special temperature box including 2 or 4 amplifiers.

Technical specifications

Connector Temperature cable:		Electrical characteristics	
	[+] [-]	Voltage for amplifier	V 12
	Red Green	Measurement range	°C 0 – 1000
	Yellow Red	Sensitivity	°C 0.25
	Green White	Absolute accuracy	% ±1
	Brown Blue	Mechanical characteristics	
	Red White	Weight (incl. cable)	g 15
	Yellow pink	Cable length	mm 300



Calibration

Choose the formula from sensor list
 SA-TK01

Ordering information

	Art.No.
Amplifier (1 channel/analog)	IN-ATK01_ xxx-000
Amplifier (4 channels)	BC-TK4iso-000
Amplifier (8 channels)	BC-TK8iso-000