



HIGH TEMPERATURE PROBES

AUTOMOTIVE SENSOR – AUHT (A-1291)

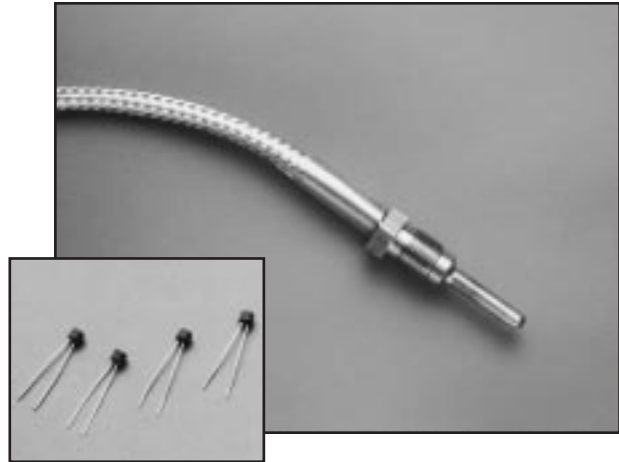
DESCRIPTION:

This stainless steel probe is designed to meet the rigors of automobile, light and heavy truck applications. The AUHT sensor is equally functional in diesel and gasoline combustion systems.

Recent applications have also entered this probe into the aviation field to monitor the combustion temperature of general aviation engines. The evolution toward Jet “A” fuel requires engines to operate at higher temperatures resulting in increased fuel efficiency.

The AUHT sensor can be installed at the exhaust manifold ports or at the catalytic converter. This probe has been designed to withstand the rigorous test criteria listed in the Automotive Electronics Council Standard CDF-AEC-Q200 (Table 8). This specification requires testing for Salt-Spray, Moisture, Vibration, and other automotive durability standards.

The AUHT sensor offers a free-spinning nut design that provides easy, tangle-free insertion of long harness wires. Optional cable material sleeveings, such as stainless steel braiding, are available to offer additional protection and ruggedness.



TEMP (°C)	AUHT-MT	AUTH-HT
T[°C]	R [OHMS]	R [OHMS]
-40	720,000	
25	60,000	
200	1,424.0	
300	365.2	
400	141.0	2,621,409
500	74.1	231,136
600	47.8	36,327
700	35.3	8,555
800	28.6	2,677
900	24.7	1,032
1000		466

