



NTC THERMISTORS: TYPE KY2, KY3

COMPOSITE THERMISTOR

DESCRIPTION:

Composite thermistor types KY2 and KY3 contain one PTC and two NTC thermistor elements connected inside a plastic sleeve and encapsulated in a brass probe housing. Primarily intended for automotive applications, where a constant sensor resistance is required over a 'normal' range of engine temperatures to give a fixed temperature gauge reading.



ELECTRICAL SPECIFICATION:

KY 2

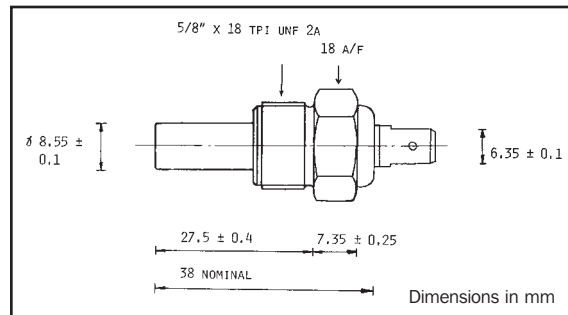
TEMPERATURE °C	'ZERO POWER' RESISTANCE
60	640 OHM NOM
82	250 OHM ± 8%
97	170 OHM ± 8%
105	170 OHM ± 8%
119	112 OHM ± 8%

ELECTRICAL SPECIFICATION:

KY 3

TEMPERATURE °C	'POWER ON'* RESISTANCE
60	119 OHM ± 20%
85	73.5 OHM ± 12%
97	73.5 OHM ± 12%
119	38.0 OHM ± 8%

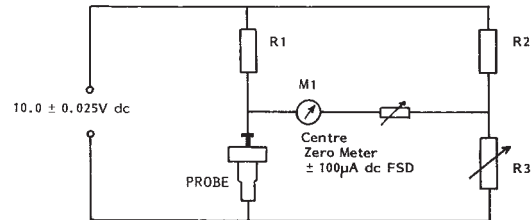
DIMENSIONS:



OPTIONS:

- other resistance-temperature characteristics
- alternative housings

* 'POWER ON' resistance values measured with the thermistor assembled in a brass probe body. The probe is immersed in circulating oil (light engine type) up to the bottom of the hexagonal head and self-heated using the following circuit:



R1, R2 = 58.8 OHMS approx. (matched within 0.1% at room temperature)

R3 : Decade resistance box adjusted to give null reading on meter M1.