

NCP-170

NCP-170 gas sensor is a matched pair type for industrial use, and it has been already available in many customers for fixed applications. Since this type does not meet the structure of explosion proof by itself, it has to be installed in the approved body by ATEX, CSA or etc.

●Ratings, dimensions, shape

• Supply voltage	2.0V
• Current	170 ~190mV (When 2.0V is supplied.)
• Temperature	-20 ~+60°C
• Humidity	95%RH 以下 (Without dew condensation)
• Measurement range	Less than 100%LEL
• Shape	As per the right figure
• Dimensions	Diameter of base ϕ 11 Diameter of strainer ϕ 8 Height ϕ 7 Pin length ϕ 25



●Standard sensitivity and zero offset in air

13~18mV/10%LEL of methane, -30 to +30mV in zero offset in air

●Relative sensitivity

Gases		LEL	R. S.	Gases		LEL	R. S.
1	Methane	5.00%	100	11	Acetylene	2.50	-
2	Propane	2.20	90	12	CO	12.50	115
3	n-Butane	1.80	80	13	Acetone	2.60	75
4	n-Pentane	1.40	80	14	MEK	1.90	55
5	n-Hexane	1.20	80	15	Toluene	1.20	60
6	n-Heptane	1.05	65	16	Ethyl acetate	2.20	75
7	n-Octane	0.95	60	17	Hydrogen	4.00	130
8	Methanol	6.70	125	18	Ammonia	15.00	140
9	Ethanol	3.30	85	19	Gasoline Pb free	1.20	80
10	IPA	2.20	75	20	Ethylene	2.70	95

* : 「-」 means that it is not a detected gas.

** : R.S. (relative sensitivity) is described in case that sensitivity to **methane** is 100.