

## City Technology Relative Response Data

Relative Response Data shows the variation in response of the City Technology catalytic bead combustible sensors on exposure to a range of gases and vapors at the same % LEL concentration. The data is experimentally derived and expressed relative to the methane signal (=100). Testing was performed using sensors calibrated to 50% LEL CH<sub>4</sub> (based on 100% LEL = 4.4% v/v). The results are intended for guidance only. All RR values have been rounded to the nearest 5%. For the most accurate measurements calibrate using the gas under investigation.

			Relative response in % LEL (based on EN60079-20-1:2010 LEL value)			
* = estimated			Methane		Pentane	
Product	formula	CAS	MicroClip/MaxXTII (MP75)	Micro5 (4P90)	MicroClip/MaxXTII (MP75)	Micro5 (4P90)
<b>Methaan</b>	CH <sub>4</sub>	74-82-8	100	100	145	170
<b>n-Pentaan</b>	C <sub>5</sub> H <sub>12</sub>	109-66-0	70	60	100	100
<b>Waterstof</b>	H <sub>2</sub>	1333-74-0	140	115	200	195
<b>Ethaan*</b>	C <sub>2</sub> H <sub>6</sub>	74-84-0	80	80	110	130
<b>Ethyleen</b>	C <sub>2</sub> H <sub>4</sub>	74-85-1	95	80	140	135
<b>Acetyleen</b>	C <sub>2</sub> H <sub>2</sub>	74-86-2	100	80	140	135
<b>Propaan</b>	C <sub>3</sub> H <sub>8</sub>	74-98-6	55	60	80	100
<b>Propyleen*</b>	C <sub>3</sub> H <sub>6</sub>	115-07-01	85	70	120	115
<b>Butaan</b>	C <sub>4</sub> H <sub>10</sub>	106-97-8	60	55	85	90
<b>Isobuteen</b>	C <sub>4</sub> H <sub>8</sub>	115-11-7	No data	No data	No data	No data
<b>1.3 Butadieen*</b>	C <sub>4</sub> H <sub>6</sub>	106-99-0	40	35	55	60
<b>Hexaan</b>	C <sub>6</sub> H <sub>12</sub>	110-54-3	65	45	95	75
<b>Cyclohexaan</b>	C <sub>6</sub> H <sub>12</sub>	110-82-7	60	55	85	95
<b>Benzeen*</b>	C <sub>6</sub> H <sub>6</sub>	71-43-2	60	50	85	80
<b>Styreen*</b>	C <sub>8</sub> H <sub>8</sub>	100-42-5	45	40	65	70

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* = estimated		Methaan		Pentane		
Product	formule	cas	MicroClip/MaxXTII (MP75)	Micro5 (4p90)	MicroClip/MaxXTII (MP75)	Micro5 (4p90)
<b>Tolueen</b>	C6H5CH3	108-88-3	55	45	80	75
<b>Xyleen*</b>	C8H10	95-47-6/108-38-3/106-42-3	45	40	65	65
<b>Ethylbenzeen*</b>	C8H10	100-41-4	40	45	60	75
<b>Ethyleenoxide</b>	C2H4O	75-21-8	No data	No data	No data	No data
<b>Propyleenoxide*</b>	C3H6O	75-56-9	40	40	60	65
<b>Ammonia*</b>	NH3	7664-41-7	165	145	235	240
<b>1,1 Dichloorethaan</b>	C2H4Cl2	107-06-2	No data	No data	No data	No data
<b>Methanol</b>	CH3OH	67-56-1	95	85	135	140