

# Crowcon Technical Note

**Document Reference:** GEN100  
**Document applies to:** All portable products  
**Release Date:** (Issue 2) 26<sup>th</sup> May 2020  
**Subject:** Portable products – Display resolution



There are many different gas types that Crowcon can detect using our range of Portable instruments – a frequent topic is the display resolution for each of these gases and ranges.

The general format below is adopted for product displays:

If the sensor range < 10, then decimal places = 2

If the sensor range  $10 \leq \text{full scale} \leq 50$ , then decimal places = 1

If the sensor full scale > 50, then decimal places = 0

As a result we have compiled the below table, each product type has the same resolution for the given gas type:



# Crowcon Technical Note

gas code	gas and range	decimal places displayed	display example
AA	0-100% LEL methane	0	50
AG	0-25% oxygen	1	20.9
AH	0-500 ppm carbon monoxide	0	250
AI	0-100 ppm hydrogen sulphide	0	50
AJ	0-10 ppm sulphur dioxide	1	5.0
AK	0-1000 ppm hydrogen	0	500
AL	0-10 ppm nitrogen dioxide	1	5.0
AM	0-20 ppm nitrogen dioxide	1	10.0
AN	0-20 ppm chlorine	1	10.0
AP	0-1 ppm ozone	2	1.00
AQ	0-25 ppm hydrogen cyanide	1	12.5
AR	0-100 ppm ammonia	0	50
AS	0-1000 ppm ammonia	0	500
AT	0-5 ppm phosphine	2	2.50
AU	0-1 ppm fluorine	2	0.50
AV	0-10 ppm hydrogen fluoride	1	5.0
BA	0-10 ppm hydrogen chloride	1	5
BC	0-100% LEL methanol	0	50
BD	0-100% LEL ethanol	0	50
BE	0-100% LEL IPA	0	50
BF	0-250 ppm hydrogen sulphide	0	125
BG	0-500 ppm hydrogen sulphide	0	250
BI	0-1500 ppm carbon monoxide	0	750
CI	0-10ppm ethylene oxide	1	5
CK	0-1ppm chlorine dioxide	2	0.50
CQ	0-100ppm nitric oxide	0	50
HG	0-5% carbon dioxide IR	2	2.50

## Crowcon Technical Support

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