



# Technical Bulletin 170

Version 1.0 01/06/16

## Updated instrument gas tables for Tiger and Tiger Select

We have updated our instrument gas tables for the Tiger and Tiger Select. New versions are available for download from our website in English, German and French. The instrument gas tables include many new gases with response factors and personal safety levels for EH40, OSHA, NIOSH, VME and AGW.

To download the TIGER gas table go to Instrument Software on the TIGER downloads page.  
<http://www.ionscience.com/products/tiger-handheld-voc-gas-detector#product-description=downloads>

Gas name	Abbreviation	Formula	Molecular weight	5.8 Lamp Factor	10.0 Lamp Factor
Acetone		C <sub>3</sub> H <sub>6</sub> O	58	1.2	1.2
Acetonitrile		CH <sub>3</sub> CN	41	0	0
Acetophenone		C <sub>8</sub> H <sub>8</sub> O	120	0	0
Acetylene		C <sub>2</sub> H <sub>2</sub>	26	0	0
Acrolein		C <sub>3</sub> H <sub>4</sub> O	56	2.857	0
Acrylic Acid		C <sub>3</sub> H <sub>4</sub> O <sub>2</sub>	72	0	3.749
Acrylonitrile		C <sub>3</sub> H <sub>3.5</sub> N	53	0	0
Allyl alcohol		C <sub>3</sub> H <sub>6</sub> O	58	0	2.073
Allyl bromide		C <sub>3</sub> H <sub>5</sub> Br	121	0	3
Allyl chloride		C <sub>3</sub> H <sub>5</sub> Cl	77	0	4.5
Allyl glycidyl ether		C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	114	0	8.8
Allyl propyl disul...		C <sub>6</sub> H <sub>12</sub> S <sub>2</sub>	148	0	0.4
Ammonia		NH <sub>3</sub>	17	0	8.496
Amyl acetate, n-		C <sub>7</sub> H <sub>14</sub> O <sub>2</sub>	130	0	1.799
Amyl alcohol		C <sub>5</sub> H <sub>12</sub> O	88	0	3.5
Avenhale, trans-		C <sub>10</sub> H <sub>18</sub>	148	0	0.4

To download the TIGER Select gas table go to Instrument Software on the TIGER Select downloads page.  
<http://www.ionscience.com/products/tiger-select-benzene-and-total-aromatic-compound-detector#product-description=downloads>

Simply download the gas table onto your computer and follow the steps below.

- Unzip the file and save a copy to your computer
- With your instrument connected to TigerPC select 'Gas table' from the options (on the left-hand side of the screen)
- Click on the 'Menu' button (on the top right hand corner) and select 'Open'
- Select the previously saved file and open it so it is displayed in TigerPC
- Press the 'Send to instrument' option from the drop-down menu
- Check the new gas table is in the instrument by viewing the gas tables date in the 'i' (information) menu of the instrument - the latest gas tables are dated 29-04-2016

In addition to the instrument gas tables above, we have also updated our PID response factors list within Technical Article TA-02. To obtain a copy please contact Ion Science.

Email: [marketing@ionscience.com](mailto:marketing@ionscience.com)

Tel: +44 (0) 1763 208503

Unrivalled Gas Detection.  
[ionscience.com](http://ionscience.com)