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### **IONICON launches the PTR-QMS 300 – a new generation VOC monitor**

IONICON, the worlds' leading PTR-MS company is presenting the new PTR-QMS-300 mobile VOC monitor to the analytics and industrial process monitoring market.

Succeeding the IONICON Compact PTR-MS that has been produced since 2003, the new PTR-QMS 300 is a small and lightweight PTR-MS for research or process monitoring applications with a remarkable detection limit of < 0,3 ppbv.

The PTR-QMS 300 is engineered as a very affordable, user- and maintenance-friendly, lean and innovative bench top set-up that focuses on industrial applications. It features a touchscreen display allowing for one-button control of the system and even preconfigured analysis tasks in combination with an optional embedded industrial computer and individualized software packages.

We provide flexible inlet solutions such as the integrated multi-position capability and the possibility to optionally upgrade the PTR-QMS 300 with multiplexing and data interface units thus bringing down the costs per sampling point and simplifying the integration in existing monitoring network infrastructure.

For research or laboratory use the PTR-QMS 300 is available as a fully functional entry-level PTR-MS instrument, being operated using the comprehensive IONICON PTR-QMS series software suite, available on an external notebook computer.

Expect these outstanding features:

- Improved sensitivity: LoD < 0,3 ppbv
- New heated ion source/reaction chamber layout (accessible from top)
- Heated inlet hose (can be installed at multiple positions)
- Touch screen display
- Optional:
  - Embedded industrial PC
  - Individually tailored software package
  - Multiplexing units
  - Data interfaces (AO/AI, DO/DI)
  - SRI (Switchable Reagent Ions)

Learn more on the product's website: <http://www.ptrms.com/products/ptrqms/ptrqms300.html>



IONICON is the world's leading producer of on-line VOC detectors with market-leading, on-line and real-time, single-digit pptv-level sensitivities using the unique proton transfer reaction – mass spectrometry technology. For more than a decade, IONICON is serving leading scientists with VOC monitoring and quantification instruments in many different areas including environmental research, pollution monitoring, atmospheric chemistry, food & flavour science, illicit substances detection and industrial process monitoring applications.

The IONICON product range comprises the PTR-QMS Series (IONICON High-Sensitivity PTR-MS with its market-leading detection limit of < 1 pptv; the IONICON PTR-QMS 300, a very robust and small VOC monitoring system with a very advantageous price) and the PTR-TOFMS Series (IONICON PTR-TOF 8000 providing a mass resolution of up to 8000 m/ $\Delta$ m and the IONICON PTR-TOF 2000 with its detection limit < 5 pptv).

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