

Press Release



Servomex Announces New Accessories and Options for Intrinsically Safe Portable Gas Analyser



Customers can now benefit from a wide range of accessories and options for the intrinsically safe Servomex 5100 i.s portable gas analyser. Extra options include an internal pump and a flexible sample tube, a sample gas conditioning kit approved for use in hazardous areas and a filter and probe holder assembly. The unit is also fitted with a carrying strap for ease of use and can also be supplied with an optional soft carry case.

Powered by advanced lithium ion rechargeable batteries, the IP65 rated 5100i.s. is a replacement for the popular 570A hazardous area analyser. The device, which allows users to store up to 200 measurements in its memory, is the first intrinsically safe infrared analyser, providing a single % level measurement for 0 – 10% CO₂ and 0 – 25% CO₂.

Considerably smaller and lighter than the 570A, the 5100 i.s. uses proven non-depleting magnetodynamic paramagnetic or infrared sensing technologies (depending on the gas being detected) to ensure high reliability and a low cost-of-ownership.

Typical applications for the Servomex 5100 i.s. include combustion optimisation in hazardous areas, natural gas processing, use in refineries, checking centrifuges prior to start-up, HyCo facilities, catalytic cracker regeneration, inerting in tank farms and other general process monitoring.

The Servomex 5100 i.s. analyser has ATEX (Ex II 1G Ex ia IIC T4) and IECEx (Ex ia IIC T4) approvals for use in hazardous areas. Other key hazardous area certifications have been applied for. It also has a rubber-overmoulded casing that dissipates static to prevent potentially hazardous static electricity build-ups and also provide additional physical protection. Long-life rechargeable lithium ion batteries are installed as standard, and an integral electronic note pad enables data to be stored for subsequent analysis.

For oxygen measurements, the Servomex 5100 i.s. utilises a proven, non-depleting paramagnetic sensor cell that is optimised for portable applications, while temperature compensation is built into the analyser's digital electronics. Unlike electrochemical cells, users can be confident that the analyser will always be ready to use. Moreover, the sensor cell should never need replacing, which simplifies maintenance procedures and reduces the cost-of-ownership.

Infrared sensor technology is used to measure CO₂, CO or CH₄. Again, this is proven, robust, non-depleting technology that delivers good accuracy and specificity in portable applications, even in the presence of flammable and toxic samples.

Servomex provides comprehensive maintenance, recalibration, return to base and service contracts for the 5100 series analyser.

More information about the Servomex 5100 i.s. portable gas analyser, as well as other Servomex gas analysers, all of which are available and fully supported worldwide, can be obtained from Servomex Group by calling +44 1892 652181, faxing +44 1892 662253, emailing info@servomex.com or visiting the website at www.servomex.com.