



# CPC Volume Sensor



Volume sensor with CPC

The CPC Volume Sensor is a non-invasive sensor allowing a sampler controller, such as a Jiskoot InSpec controller, to continuously monitor the filling of a constant pressure sample receiver (CPC). This fulfils the requirements of the ISO 3171, ASTM D 4177, API 8.2 and IP 6.2 sampling standards.

The sensor is not fixed to the CPC and so remains in situ and unaffected when CPCs are changed.

The sensor outputs a 4-20mA signal relating the position of the piston in the receiver, employing the 'reed switch chain technique' and a magnet within the piston of the CPC.

- The sensor is free of maintenance and wear.
- The sensor is certified:-
  - II 2G EEx ia IIC T4..T6 Tamb 60°C or
  - II 2G EEx ib IIC T4..T6 Tamb 60°C
- IP Rating of IP65
- Stainless steel sensor with a head mounted transmitter (HART protocol support is optional) in an aluminium junction box (SS JB available on request).

Data Sheet SI32-0702-1 • CPC Volume Sensor



**UK**  
Jiskoot Quality Systems  
Tel: +44 (0)1892 518000  
Fax: +44 (0)1892 518100

Email: [ms-jiskootuksales@c-a-m.com](mailto:ms-jiskootuksales@c-a-m.com)

**USA**  
Jiskoot Quality Systems  
Tel: +1 281 583 0583  
Fax: +1 281 583 0587

Email: [ms-jiskootusasales@c-a-m.com](mailto:ms-jiskootusasales@c-a-m.com)

**Cameron**  
Measurement Systems  
Tel: +1 281 582 9500  
Fax: +1 281 582 9599

Email: [ms-marketing@c-a-m.com](mailto:ms-marketing@c-a-m.com)

Jiskoot Quality Systems  
A Cameron Company  
[www.jiskoot.com](http://www.jiskoot.com)



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