



Certificate of Conformity

Unit Verification

CML 15ATEX1050X Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC
- 2 Equipment **Densitrak D625-EX**
- 3 Manufacturer **Analytical Flow Technologies LLC**
- 4 Address 16413 North 91st Street C120
Scottsdale
Arizona 85260
US
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 9 of Directive 94/9/EC, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

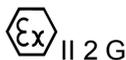
The examination and test results are recorded in the confidential reports listed in Section 12.

- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 13.
- 8 This Certificate of Conformity relates only to the design and construction of the specified equipment or component. The serial numbers are listed in Section 10
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

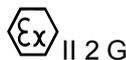
EN 60079-0:2012

EN 60079-1:2014

- 10 The equipment shall be marked with the following:



Ex d IIC T4 Gb
medium maximum 125°C
-40°C ≤ Ta ≤ +70°C



Ex d IIC T5 Gb
medium maximum 70°C
40°C ≤ Ta ≤ +40°C

Serial Nos: DT14080242/2015 to DT14080279/2015

M D Shearman FInstMC
Managing Director



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11 Description

The Densitrak D625-EX is rated at 24V and comprises a stainless steel housing with two parts. The electronics housing contains circuit boards and supply connections, the sensor contains a U-shaped tube which is connected to the process via an interface.

The equipment measures the frequency of oscillation of the U-shaped tube through which the process liquid is passed. The temperature is also measured, and the density of the liquid is calculated.

12 Document history and evaluation reports

Issue	Date	Report	Notes
0	23 Apr 2015	R504A-00	Issue of prime certificate

Note: Drawings that describe the equipment or component are listed in the Annex.

13 Special Conditions for Safe Use (Conditions of Certification)

The following conditions relate to safe installation and/or use of the equipment.

- 13.1 The process medium shall not exceed the 70°C (T5) or 125°C (T4) limit specified for the temperature class.
- 13.2 The Densitrak D625-EX shall be installed such that the conduit gland fitted between the electronics housing and the sensor does not exceed 70°C with the unit de-energised, or 80°C with the unit energised.

Certificate Annex



Certificate Number CML 15ATEX1050X
Equipment Densitrak D625-EX
Manufacturer Analytical Flow Technologies LLC

The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
D625-EX	1 to 2	NC	23 Apr 2015	Densitrak D625-EX assembly overview
201001	1 to 2	B	23 Apr 2015	D625-1 Stage 1 weldment and overpressure
101014	1 of 1	B	23 Apr 2015	End cap
101015	1 of 1	B	23 Apr 2015	Cover tube
101023	1 of 1	B	23 Apr 2015	Base Model D625 31655
201003-WELD	1 of 1	B	23 Apr 2015	Sensor welding detail