

[1] **EC-TYPE EXAMINATION CERTIFICATE**

according to Directive 94/9/EC, Annex III

(Translation)



[2] Equipment and Protective Systems intended for use in Potentially Explosive Atmospheres, **Directive 94/9/EC**

[3] EC-Type Examination Certificate Number: **IBExU09ATEX1158**

[4] Equipment: **Moisture probe – Interface and Moisture probe** Type FSI400iD
Type FMS400iD-*

[5] Manufacturer: Müttec Instruments GmbH

[6] Address: Bei den Kämpfen 26
21220 Seevetal
GERMANY

[7] The design of the equipment mentioned under [4] and any acceptable variations thereto are specified in the schedule to this EC-Type Examination Certificate.

[8] IBExU Institut für Sicherheitstechnik GmbH, NOTIFIED BODY number 0637 in accordance with article 9 of the directive 94/9/EC of the European Parliament and the Council of 23 March 1994, certifies that the equipment mentioned under [4] 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 test results are recorded in the test reports IB-09-3-319/1 and IB-09-3-319/2 of 16 December 2009.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2006, EN 60079-11:2007, EN 60079-26:2004, EN 61241-0:2006 and EN 61241-11:2006.

[10] If the sign „X“ is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified under [17] in the schedule to this certificate.

[11] This EC-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this directive apply to the manufacture and supply of this equipment.

[12] The marking of the equipment mentioned under [4] shall include the following:

Moisture probe - Interface	II (1)G [Ex ia] IIC bzw. -20 °C ≤ T _a ≤ +60 °C	II (1)D [Ex iaD] -20 °C ≤ T _a ≤ +60 °C
Moisture probe	II 1G Ex ia IIC T5 bzw. -10 °C ≤ T _a ≤ +75 °C	II 1D Ex iaD 20 T100 °C -10 °C ≤ T _a ≤ +75 °C

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Authorised for certifications
-Explosion protection-

By order

(Dr. Wagner)



Freiberg, 16 December 2009

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Schedule

[16] **Test report**

The proof of the explosion protection is explained in detail in the test report IB-09-3-319/1 and IB-09-3-319/2 of 16 December 2009. The test documents are part of the test report and are listed there.

Summary of the test results:

The Moisture probe – Interface and the Moisture probes fulfil the requirements of dust explosion protection for equipment of Group II and Category 1(G) or (1)D as an appertained apparatus and for equipment of Category 1G or 1D as an intrinsically safe apparatus. The maximum surface temperature at the enclosure is maximum 100 °C (T5).

[17] **Special conditions for safe use**

none

[18] **Essential Health and Safety Requirements**

Confirmed by compliance with standards (see [9]).

By order

Freiberg, 16 December 2009



(Dr. Wagner)