

# Certificate of Testing

**Serial Number: 12511CC01A**

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FT Technologies Limited  
Church Lane  
Teddington  
Middlesex  
TW11 8PA

Client's Order Number: P16265  
Works Order Number: 12511-02  
Date of Test: 19<sup>th</sup> to 21<sup>st</sup> April 2010

Attn.: Mr. Olivier Hus

**Specimens:** 1 off FT702LT Wind Sensor  
Serial No.: 2870-001  
Part No.: 22  
TRaC Stores No.: 24444  
Receipt Date: 19<sup>th</sup> April 2010

**Specification:** Wind Blown Sand and Dust Test  
Tested in accordance with DEF STAN 00-35, Issue 4, Part 4, Chapter 3-25, Test CL25

## Dust Test

Test Medium: Silica Flour up to 150 micrometres  
Air Velocity: 29m/s  
Concentration: 1.1g/m<sup>3</sup>  
Temperature: 25°C ± 5°C  
Duration: 3 hours in the most vulnerable direction

## Sand Test

Test Medium: Sand in accordance with Section 5.2.2 of the test specification  
Air Velocity: 29m/s  
Concentration: 1.1g/m<sup>3</sup>  
Temperature: 25°C ± 5°C  
Duration: 3 hours in the most vulnerable direction

TEST ENGINEER



Q.A. APPROVAL



D. Wheatley

D.K.Morris – Chief Test Engineer

Certified that the specimens detailed hereon have been subjected to the tests as required by the order unless otherwise stated above.  
Our technical competence and quality control arrangements are in accordance with the conditions of our UKAS accreditation.  
No representation or warranty is given that the Tests performed under the terms of the Contract constitute, in themselves,  
a sufficient programme for the Customer's purpose, nor that the Customer's Equipment is suitable for any particular purpose.  
The contents of this Certificate shall not be reproduced, except in full, without the written approval of TRaC Global Limited.

### WARWICK

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Issue Date: 7th July 2010



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**Procedure:** Prior to test, a plane perpendicular to the air flow was calibrated using a hot wire anemometer to ensure that the specified air velocity was being achieved. Once the air velocity had been verified the required Dust/Sand feed rate was calibrated based on the volumetric flow rate used during the velocity calibration.

The specimen was attached to a support framework inside the test chamber positioned at the correct distance from the air outlet obtained during the air velocity calibration. A representative of the customer then connected the specimen under test to function test equipment located external to the test chamber. A single platinum resistance thermometer was attached to the support framework adjacent to the specimen to record the ambient air temperature during the test.

The specimen was placed in an operational state by the customer and its operation was continuously logged by the customer's laptop. The specimen was then tested in accordance with the specification and on completion of the test the specimen was visually inspected for any conspicuous signs of external damage or degradation.

**Results:** The specimen completed the test with no conspicuous signs of external damage or degradation and the customer reported that the specimen had operated correctly throughout the test.