

Certificate of Testing

Anord Control Systems
Coes Road
Dundalk
Co Louth
Ireland

Serial Number: 10676CC02A

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Client's Order Number: 149397
Works Order Number: 10676-01
Date of Tests: 11th May 2009

Attn.: Mr. Jerome McEvoy.

Specimen: 1 off Enclosure
Identification No.: 8003F
TRaC. Stores No.: 23425
Receipt Date: 11th May 2009

Specification: Ingress Protection Testing
Tested in accordance with BS EN 60529:1992.

IPX1 - Protection against Dripping Water.

Drip Box with 20mm hole matrix
Flow Rate: 1 mm/min
Drop Height: 200 mm
Duration: 10 minutes
Rotation: 1 Rev/min

IP3X - Protection against Solid Foreign Objects and access to Hazardous Parts

Probe: 2.5mm Diameter Steel Rod, 100mm in length
Force: 3 N \pm 10%

TEST ENGINEER

G. Ball

Q.A. APPROVAL

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 Environmental & Analysis Limited

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Issue Date: 19th May 2009



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Procedure: IPX1 - Protection against Dripping Water.

The specimen was then mounted in its normal working orientation offset 100mm from centre of a turntable, as shown in Figures 1 and 2, and tested to the specifications.

IP3X - Protection against Solid Foreign Objects (external)

A 2.5mm diameter steel rod was pushed with a force no greater than 3.3N against all openings on the specimen, in order to confirm its sealing integrity.

IP3X - Protection against access to hazardous parts (internal)

A 2.5mm diameter steel rod was pushed with a force no greater than 3.3N against all openings inside the specimen, in order to confirm that adequate clearance is kept between the access probe and hazardous parts.

Results: IPX1 - Protection against Dripping Water.

The specimen was dried externally before being inspected internally for water ingress. No water was found.

IP3X - Protection against Solid Foreign Objects

The specimen was found to have no openings that could be penetrated by the probe.

IP3X - Protection against access to hazardous parts (internal)

The probe was unable to make contact with any hazardous parts within the specimen.

The specimen therefore satisfies the requirements of BS EN 60529: 1992 IP31.