

Certificate of Testing

N°: TRA010669CC01A

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Palintest Ltd
Palintest House
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NE11 0NS

Issue Date: 19th October 2012
Our Ref: TRA-010669-02
Client's Order Number: 10933
Date of Tests: 18th October 2012

Attn.: Mr Kevin McDermott

Specimen(s):

1 Off Palintest Turbimeter
Part Number: BETA 18
TRaC Stores Number: TRA-010669-S1

1 Off Palintest Turbimeter
Part Number: BETA 18
TRaC Stores Number: TRA-010669-S2

Receipt Date: 17th October 2012

Specification: Ingress Protection Testing

Tests in accordance with BS EN 60529:1992

IP6X - Dust Tight

Duration 8 Hours

IPX7 - Temporary Immersion

Depth: 1 metre from lowest face
Duration: 30 minutes

Test Engineer



G. Ball Test Engineer

Approval

S.J. Brown Director

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 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.

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Procedure: IP6X - Dust Tight

Prior to testing the specimen, TRaC Stores Number TRA-0106769-S1, was connected to a vacuum pump, pressure indicator and flow meter to calculate the test duration. The specimen was then placed in the dust chamber, and re-connected to the vacuum pump to provide a vacuum no greater than 20 mbar below laboratory ambient pressure during the test, as shown in Figure 1. The test was carried out in accordance with the specification for a period of 8 hours.

IPX7 - Temporary Immersion

The specimen, TRaC Stores Number TRA-0106769-S2, was immersed in water such that its lowest point was at a depth of 1 metre for a period of 30 minutes, as shown in Figure 2.

Results: IP6X - Dust Tight

After testing the specimen, TRaC Stores Number TRA-0106769-S1, was removed from the dust chamber for internal inspection. . No dust was found, as shown in Figure 3.

The specimen TRaC Stores Number TRA-0106769-S1 therefore satisfies the requirements of BS EN 60529: 1992 IP6X.

IPX7 - Temporary Immersion

After testing the specimen, TRaC Stores Number TRA-0106769-S2, was dried externally before being inspected internally. No water was found, as shown in Figure 4.

The specimens TRaC Stores Number TRA-0106769-S2 therefore satisfy the requirements of BS EN 60529: 1992 IPX7.



SPECIMEN TRAC STORES NUMBER TRA-0106769-S1 IN DUST CHAMBER AFTER TESTING

FIGURE 1



SPECIMEN TRAC STORES NUMBER TRA-0106769-S2 UNDERGOING IMMERSION TEST

FIGURE 2



INTERNAL INSPECTION AFTER DUST TEST

FIGURE 3



INTERNAL INSPECTION AFTER IMMERSION TEST

FIGURE 4