

CENTRE OF TESTING SERVICE INTERNATIONAL

OPERATE ACCORDING TO ISO/IEC 17025

TEST REPORT

TEST REPORT NUMBER: CGZ3140311-00591-L-D

CTS (Ningbo) Testing Service Technology Co., Ltd. Fl.2 South Huoju Building, No.181 Canghai Rd., Jiangdong High-tech Park, Ningbo, China





TEST REPORT

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Manufacturer/ factory.....:

Following identical model(s)

*

Applicant.....: BRIGADE ELECTRONICS PLC

Address: Brigade House, The Mills, Station Road, South Darenth,

Kent, DA4 9BD, United Kingdom

Contact: Bernd John;

TEL: +44-1322420310; FAX: /; BRIGADE ELECTRONICS PLC

Sample Description.....: Brigade Backsense Radar

Trade Mark: Brigade

Model/Type reference.....: BS-7030(Test EUT)

BS-7045, BS-7060, BS-8000 and future variants BS-XXXXXXXXXXXXXXX where the "X" can represent any character or number for different configurations, all the

models use same Radar sensor, only the LED Display is

different.

Taking/Receiving Date: 24 December 2013

Test Address.....: CTS (Ningbo) Testing Service Technology Co., Ltd.

Fl.2 south Huoju Building, No.181 Canghai Rd., Jiangdong High-tech Park, Ningbo, China

Tel: +86-574-87912121 (16 lines)

Fax: +86-574-87907993

Test Date: 31 December 2013

Test Item*: IP69K rating according ISO-20653: 2013

Test Requested*: IP69K test

Test Results: See follow result

Note: All information was provided by the applicant or detected

at the sample.

This report shall not be copied partly without the written

approval of CTS.

Tested by: Reviewed by: Approved by:

Date: Date: Date: Date: 11 March 2014 11 Mar

*' -means the content is provided by applicant.

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11 March 2014

Date: 11 M





TEST REPORT

1. Test results

No.	Test Sample Name	Test Item	Test Results	Verdict
1.	Brigade Backsense Radar BS-7030	First code element: 6K: Dust-tight test, The radar system always working, with underpressure 8h.	After Test, small amount of dust got into to protective black outer housing but it does not affect the function. Dust particles have not entered in the internal sensor housing.	PASS
		2. Second code element 9K: High-pressure/steam-jet cleaning The radar system always working, with 80±5°C water, 8000~10000 kPa; spray at 0°, 30°, 60°, 90°, 30s per position.	After Test, small amount of water vapours got into to protective black outer housing but it does not affect the function. Water vapours has not entered in the Internal sensor housing.	PASS

Remark:

- 1. First code element: 6K, Degree of protection requirements, dust shall not penetrate. It is requested by client's standard if only small amount of dust into the black outer housing, but doesn't affect the function, can work normally, it could be verdict "PASS".
- 2. Second code element 9K: Degree of protection requirements, water which is directed against the enclosure from any direction shall not have any detrimental effect.

-----end of report-----

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Report No.: CGZ3140311-00591-L-D Page 2 of 2 Date: 11 March 2014