



Slovenski institut za
kakovost in meroslovje
Slovenian Institute of
Quality and Metrology

Poročilo o preskusu / Test Report

Št. / No.:

T211-0477/12

Datum / Date:

2012-10-08

Proizvod / Product
Power supply Model: GT-81082-WVVV-X.X-W2Z series GT-81090-WVVV-X.X-W2Z series Enclosure: WR95A1000USB-F(R)
Naročnik / Applicant
GlobTek, Inc 186 Veterans Dr, Northvale, NJ 07647 / USA
Proizvajalec / Manufacturer
GlobTek, Inc 186 Veterans Dr, Northvale, NJ 07647 / USA
Blagovna znamka / Trade Mark
GlobTek
Standardi – predpisi / Standards - regulations
IEC 60529:2001

Listov / Pages
2
Vrsta preskusa / Test procedure
IP20
Št. Merjencev / No. of Items tested
1
Mapa predmeta št. / Subject File No.
C20121557
Kraj preskusa / Place of test
SIQ - Slovenian Institute of Quality and Metrology, Tržaška 2, 1000 Ljubljana, Slovenia
Opomba / Remark
/

Zaključek / Conclusion
Tested product complies with the requirements of stated standards for protection degree IP 20. <i>The test results relate only to the items tested.</i>
Date of receipt of test items: 2012-07-16 Date of performance of tests: 2012-07-16 to 2012-09-19

Testni laboratorij je akreditiran pri Slovenski akreditaciji, reg.št.:LP-009 /
Testing Laboratory is accredited by Slovenian Accreditation, Reg. No. LP-009

Odgovoren za preskušanje / Responsible for the test

Mirko Čeko

Vodja področja / Department Manager

dr. Miha Otrin

Slovenski institut za kakovost in meroslovje • Slovenian Institute of Quality and Metrology
Tržaška cesta 2, SI-1000 Ljubljana, Slovenia • t: +386 1 4778 100 • f: +386 1 4778 444 • e: info@siq.si • http://www.siq.si
Razmnoževanje poročila, razen v celoti, ni dovoljeno / This report shall not be reproduced except in full

1 TEST EQUIPMENT

- Jointed test finger ID6 as specified by the standard,
- Rigid test wire diameter of 12.5 mm as specified by the standard (2014-07-27)

Note: The date of the recommended recalibration is given for each measuring instrument (in brackets).

2 EQUIPMENT UNDER TEST (EUT)

Power supply, model GT-81082-WWVV-X.X-W2Z series and GT-81090-WWVV-X.X-W2Z series, enclosure WR95A1000USB-F(R) was subjected to testing for IP20 degree of protection (Figures 1 and 2).



Figure 1



Figure 2

IP20 numeric description:

The first characteristic numeral X: indicates the degree of protection against access to hazardous parts and against solid foreign objects. Test equipment for degree 2 is test finger of 12 mm diameter and 80 mm long and rigid test wire of 12.5 mm diameter. The protection is satisfactory if the probe does not fully penetrate and adequate clearance is kept.

3 TEST CONDITIONS

3.1 Test for protection against access to hazardous parts and against solid foreign objects-IP2X (IEC 60529, tables 2 and 7, sub-cl. 13.2)

Procedure:

- Environmental temperature 23⁰C,
- The jointed test finger is pushed against any openings of the enclosure with the force of 10 N,
- Rigid test wire diameter of 12.5 mm (as specified by the standard) is pushed against any openings of the enclosure with the force of 30 N,
- Non-operating condition.

Conclusion: The jointed test finger and the rigid test wire were not penetrated into the enclosure.

4 CONCLUSIONS

After the exposure was concluded, the visual examination of the sample was performed. Results were obtained as follows:

- The jointed test finger and the rigid test wire were not penetrated into the enclosure

Result: Following the acceptance conditions, the equipment under test sustained the test conditions for IP20 degree of protection.