



Intertek Testing Services
ETL SEMKO

CERTIFICATE OF COMPLIANCE

CERTIFICATE OF REPORT NO. : ET-R9912351

Client : Manson Engineering Indl. Ltd.
Unit A1, 12/F., Yip Fung Ind. Bldg.,
28-36 Kwai Fung Crescent,
Kwai Chung, N.T.,
Hong Kong

Item : Six (6) submitted samples of 3-15V 40A SWITCHING MODE
POWER SUPPLY with Model No. : SPS-8400, SPS-9400.

This is to certify that, on the basis of the tests undertaken as per Report No. ET-R9912351, the submitted sample of the above item is complied with:-

EN 61558-2-17 : 1997
(in conjunction with EN 61558-1 : 1997)

Specification for transformers for switch mode power supplies. Compliance with the EN 61558-2-17 : 1997 standard fulfil the testing requirement of LVD (73/23/EEC and 93/68/EEC).

Signed for and on behalf of
Intertek Testing Services
Hong Kong Ltd.

Darkie Lee
Technical Supervisor

Date : 1st March, 2000

NOTE : The material and components of sample performed satisfactorily during testing and are considered to be suitable for use in this appliance. However, they were not tested for compliance with the relevant specification for these parts.



Intertek Testing Services Hong Kong Ltd.
2/F., Cammatt Centre, 576 Castle Peak Road, Kowloon, Hong Kong.
Telephone: (852) 2173 8888 Fax: (852) 2785 5487



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EMC CERTIFICATE

WO# 99123822

EQUIPMENT UNDER TEST

Type of equipment : 3-15V 40A Switching Mode Power Supply

Type/Model : Manson SPS-9400

Applicant : Manson Engineering Ind'l. Ltd.
Unit A1, 12/F., Yip Fung Ind. Bldg.,
28-36 Kwai Fung Crescent,
Kwai Chung, N.T.,
Hong Kong.

STANDARDS

Emission
EN 55022 : 1998
EN 61000-3-2 : 1995/A1 : 1998/A2 : 1998
EN 61000-3-3 : 1995

TEST REPORTS

WO# 99123822

Immunity

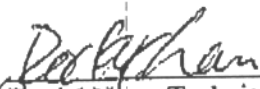
EN 55024 (IEC61000-4-2) : 1998
EN 55024 (IEC61000-4-3) : 1998
EN 55024 (IEC61000-4-4) : 1998
EN 55024 (IEC61000-4-5) : 1998
EN 55024 (IEC61000-4-6) : 1998
EN 55024 (IEC61000-4-11) : 1998

WO# 99123822

SUMMARY OF RESULTS

This is to certify that the sample of the above item is considered to comply with the requirements of the above standards, pursuant to the EMC Directive 89/336/EEC.

Intertek Testing Services Hong Kong Ltd.
EMC Center


Daniel Yau - Technical Manager
Date : 23 December, 1999

- This certificate is part of the full report and should be read in conjunction with it.



Intertek Testing Services Hong Kong Ltd.
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SHENZHEN EMTEK CO., LTD
 Bldg 69, Majialong, Taipinyang Industry Zone,
 Nanshan District, Shenzhen, Guangdong, China

Tel: 0755-26954280
 Fax: 0755-26954282
 E-mail: webmaster@emcsafety.com

Declaration of Compliance

NO.: AT04010

The following products have been tested by us with the listed standards and found in compliance with the council EMC directive 89/336/EEC. It is possible to use CE marking to demonstrate the compliance with this EMC Directive.

Submitter : MANSON ENGINEERING INDUSTRIAL LIMITED
 Address : Unit A1, 12/F, Yip Fung Ind, Bldg, 28-36 Kwai Fung
 Crescent, Kwai Chung, N.T., H.K.
 Product : Switching Power Supply
 M/N : SPS-9600/SPS-9602

Test Standards:	
EN55022 (2000)	Information technology equipment — Radio disturbance characteristic — Limits and methods of measurement
EN61000-3-2 (2001)	Electromagnetic Compatibility (EMC) Part 3: Limits— Section 2. Limits for harmonic current emission (equipment input current $\leq 16A$ per phase)
EN61000-3-3 (2001)	Electromagnetic Compatibility (EMC) Part 3: Limits— Section 3: limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current $\leq 16A$
EN55024 (1998)	Information technology equipment — Immunity characteristic — Limits and methods of measurement



Chakela

(Manager)

Date: Jan 12, 2004

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.



SHENZHEN EMTEK CO., LTD
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Declaration of Compliance

NO.: AT04010

The following products have been tested by us with the listed standards and found in compliance with the council EMC directive 89/336/EEC. It is possible to use CE marking to demonstrate the compliance with this EMC Directive.

Submitter : MANSON ENGINEERING INDUSTRIAL LIMITED
 Address : Unit A1, 12/F, Yip Fung Ind, Bldg, 28-36 Kwai Fung
 Crescent, Kwai Chung, N.T., H.K.
 Product : Switching Power Supply
 M/N : SPS-9600/SPS-9602

Test Standards:	
EN55022 (2000)	Information technology equipment — Radio disturbance characteristic — Limits and methods of measurement
EN61000-3-2 (2001)	Electromagnetic Compatibility (EMC) Part 3: Limits— Section 2. Limits for harmonic current emission (equipment input current $\leq 16A$ per phase)
EN61000-3-3 (2001)	Electromagnetic Compatibility (EMC) Part 3: Limits— Section 3: limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current $\leq 16A$
EN55024 (1998)	Information technology equipment— Immunity characteristic — Limits and methods of measurement



Signature

(Manager)

Date: Jan 12, 2004

The certificate is based on a single evaluation of one sample of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

SHENZHEN EMTEK CO., LTD.
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Fax: (86)755-26954282
Internet: [Http://www.emcsafety.com](http://www.emcsafety.com)

Declaration of Compliance

The following product has been tested by us with the listed standards and found in compliance with the European directive LVD 73/23/EEC amended by 93/68/EEC. It is possible to use CE marking to demonstrate the compliance with this LVD Directive.

Reference No. : ES0312135
Applicant : MANSON ENGINEERING INDUSTRIAL LIMITED
Unit A1, 12/F, Yip Fung Ind. Bldg, 28-36 Kwai Fung
Crescent, Kwai Chung, N.T., H. K.
Manufacturer : MANSON ENGINEERING INDUSTRIAL LIMITED
Unit A1, 12/F, Yip Fung Ind. Bldg, 28-36 Kwai Fung
Crescent, Kwai Chung, N.T., H. K.
Type of equipment : Switching Power Supply
M/N : SPS-9600, SPS-9602, GZV-6000
Technical Data : Input: 230Vac/50Hz, 4.6A
Output: SPS-9600, GZV-6000 (15V $\bar{=}$, 60A)
SPS-9602 (30V $\bar{=}$, 30A), IPXD, Class I

Test Standards:	
EN 60 950:2000	Safety Of Information Technology Equipment

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the above listed EU Directive(s). Other relevant Directives have to be observed.

After preparation of the necessary technical documentation as well as the conformity declaration the CE marking as shown below can be affixed on the equipment.



Jackey Qiu

Jackey Qiu
Department Manager
Date : Jan 13, 2004

The statement is based on a single evaluation of one sample of above mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab. logo.

TEST REPORT VERIFICATION

Applicant : MANSON ENGINEERING INDUSTRIAL LIMITED
 Manufacturer : MANSON ENGINEERING INDUSTRIAL LIMITED
 EUT : Switching Power Supply
 Model No. : SPS-9600/SPS-9602
 Input Voltage : AC 230V/ 50Hz

Measurement Procedure Used:

EN55022: 2000, EN61000-3-2: 2001, EN61000-3-3: 2001,
 EN55024: 1998 (EN61000-4-2: 1999, EN61000-4-3: 1995, EN61000-4-4: 1995,
 EN61000-4-5: 1995, EN61000-4-6: 1996, EN61000-4-8: 1993,
 EN61000-4-11: 1994)

The device described above is tested by SHENZHEN EMTEK CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and SHENZHEN EMTEK CO., LTD. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the EN55022, EN61000-3-2, EN61000-3-3 and EN55024 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of SHENZHEN EMTEK CO., LTD.

Date of Test : Jul 25, 2003

Prepared by : *Violet Wang*
 (Engineer)

Reviewer : *Andy Wong*
 (Quality Manager)

Approved & Authorized Signer : *Cabein*
 (Manager)

