

OCT 31 2003

**510(k) Summary****Identification of the submitter:**

Submitter: Kodon (Tianjin) Electronic & Electrical Apparatus Co., LTD  
No 31, Changjiang Road, Nankai District, Tianjin, P.R. China, 300193

Telephone number: 86-22-27470070  
Fax number: 86-22-27371293  
Contact: Liu Yi  
Date of Application: 01/28/2003

**Identification of the product:**

Device proprietary Name: KD-622 Fully Automatic Electronic Blood Pressure Monitor

Common name: Noninvasive blood pressure measurement systems

Classification name: Noninvasive blood pressure measurement system  
Class II per 21 CFR 870.1130

**Marketed Devices to which equivalence is claimed:**

<u>Device</u>	<u>manufacture</u>	<u>510(k) number</u>
HEM-757	OMRON HEALTHCARE, INC.	K001670

**Device description:**

KD-622 Fully Automatic Electronic Blood Pressure Monitor is a Non-invasive blood pressure measurement system for only one person each time. Based on oscillometric and silicon integrate pressure sensor technology, this device is used to monitor systolic, diastolic blood pressure and pulse rate which will be shown on a LCD with an electronic interface module. Swathing the air cuff around the left upper arm 1-2cm above elbow joint automatically inflated and released by an internal pump, the device can analyze the signals promptly and display the results and remember circularly for some sets of data.

**Intended use:**

KD-622 Fully Automatic Electronic Blood Pressure Monitor is intended for use by medical professionals or at home to monitor and display diastolic, systolic blood pressure and pulse rate on anyone each time, except infants and

unconscious people, with the air cuff around the left upper arm according to the instruction in the user's guide manual.

**Comparison of technological characteristics of new device to predicate devices:**

The design of KD-622 Fully Automatic Electronic Blood Pressure Monitor utilizes Oscillometric measurement method, with an electronic interface module and a silicon integrate pressure sensor and a air cuff automatically inflated and released by an internal pump over the left upper arm to obtain blood pressure signals in the same manner as the predicate device.

**Clinical Tests:**

Clinical tests were performed and complied the accuracy requirements of ANSI/AAMISP10-1992. The results meet or exceed the accuracy requirements of ANSI/AAMISP10-1992.

**Non-clinical Tests:**

All non-clinical tests coincide the following standards, including Electromagnetic Compatibility test.

IEC601-1 (1988)

Medical electrical equipment----Part 1:General requirements for safety

IEC601-1 (1988)

Amendment 2

IEC 60602-2-30: 1995

Medical electrical equipment-part2: Particular requirements for the safety of automatic cycling indirect blood pressure monitoring equipment.

GB9706.1-1995

ISO 1833-1977



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

OCT 31 2003

Kondon (Tianjin) Electronic & Electrical Apparatus Co., Ltd.  
c/o Mr. Liu Yi  
President, Board of Directors  
No. 31, Changjian Road  
Tianjin  
CHINA 300193

Re: K030358

Trade Name: KD-622 Fully Automatic Electronic Blood Pressure Monitor

Regulation Number: 21 CFR 870.1300

Regulation Name: Noninvasive Blood Pressure Measurement System

Regulatory Class: Class II (two)

Product Code: DXN

Dated: September 22, 2003

Received: September 22, 2003

Dear Mr. Yi:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Page 2 – Mr. Liu Yi

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050. This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (301) 594-4646. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Bram D. Zuckerman for".

Bram D. Zuckerman, M.D.

Director

Division of Cardiovascular Devices

Office of Device Evaluation

Center for Devices and

Radiological Health

Enclosure

## Statement of Indications for Use

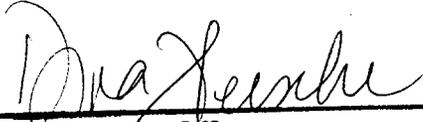
Applicant: Kondon (Tianjin) Electronic & Electrical Apparatus Co., LTD

510(k) number: K030358

Device name: KD-622 Fully Automatic Electronic Blood Pressure Monitor

### Indications for use:

The KD-622 Fully Electronic Blood Pressure Monitor is for use by medical professionals or at home and is a non-invasive blood pressure measurement system intended to measure the diastolic and systolic blood pressures and pulse rate of an adult individual by using a non-invasive technique in which an inflatable cuff is wrapped around the upper arm. The cuff circumference is limited to 8.6614 inches to 13.78 inches.

  
(Division Sign-Off)  
Division of Cardiovascular  
510(k) Number K030358

