NISSEI × Kazuo Kawasaki

BLOOD PRESSURE MONITOR

CLINICALLY PROVEN ACCURACY
ESH IP2010
European Society of Hypertension

DSK-1031
FOR UPPER ARM

Visualized Measurement Reliability

- Upper Arm Measurement
- Oscillometric Method
- FUZZY Inflation
- Reliability Indicator
- Cuff Status Indicator
- Irregular Pulse Rhythm Indicator
- Body Motion Indicator
- WHO Classification
- PP Pulse Pressure display
- Operation Tone
- 12:00 DATE/TIME display
- MEMORY 60 x 2 Readings Banks
- Memory Delete
- Err -1 Code Indication
- UNIVERSAL FIT 22.0 - 42.0cm SLIM STYLE CUFF
- 4 AA Batteries AC Adaptor

BLOOD PRESSURE MONITOR DSK-1031

for upper arm measurement

You will never forget the moment you first see or hold any one of products designed by Dr. Kazuo KAWASAKI*[1]. His products are eye-opening like a thunder bolt but they somehow soothe you like a perfectly harmonized major-seventh-chord.

Being both an internationally award-winning industrial designer and an medical doctor, KAWASAKI, born in Fukui, Japan in 1949, he has directed stunning products, from stationary, kitchenware, eyewear, audio and computer equipment to artificial organs, to name a few. Now he is about to present blood pressure monitors that the world has never seen, WSK and DSK.

As his products are never just "good-looking" but the finest and the most functional of kind, DSK-1031 features everything that will make blood pressure measurement more comfortable and more reliable.

Oscillometric blood pressure monitors determine blood pressure with oscillations which occur from inflating and deflating a cuff wrapped over measurement site. Regular blood pressure monitors inflate the cuff to a certain point regardless of blood pressure values, but DSK-1031 inflates the cuff to the value just enough to take your blood pressure. Sometimes, inflation of the cuff may be irritating. Be relieved, however. FUZZY inflation of DSK-1031 allows no excess inflation!

Measurement reliability is affected by how the cuff is put and how much you are calm during measurement. When you are at a clinic or a doctor's office, nurses or doctors will put the cuff on your arm so easily and so quickly. How about it when you are taking blood pressure at your home by yourself? Are you certain that the cuff is put correctly? DSK-1031 will tell you if the cuff is put correctly or not. Now are you sure that you stayed still during measurement? Again, DSK-1031 will tell you. DSK-1031 will let you know that the blood pressure was taken correctly when these measurement conditions were met.

On the DSK-1031 display screen, not only you will know if your blood pressure is over "High Normal" defined by WHO*[2], but also there are few more things you can get from DSK-1031, pulse pressure and irregular pulse rhythm. Pulse pressure is said to be related to hardness of blood vessels. Pulse rhythm may be disturbed by moving, talking or even by arrhythmias.

DSK-1031 comes with the wide range slim style cuff, which is a new seriese of the wide range cuff developed for our preceding QM*[3] holding blood pressure monitor DS-1902.

Product specifications

Model	DSK-1031
Measurement Principle	oscillometric method
Indicator	15 digits liquid crystal display
Pressure indication range	3 to 300 mmHg
Measuring range	50 to 250 mmHg (systolic), 40 to 180 mmHg (diastolic), 40 to 160 pulses/min (pulse rate)
Accuracy	± 3 mmHg (blood pressure), ± 5 % of reading (pulse rate)
Inflation	automatic with air pump, FUZZY
Deflation	automatic with electric control valve
Exhaust	automatic with quick exhaust valve
Power supply	four 1.5 volt LR6 (AA alkaline) batteries or AC adaptor ADP-W5 series
Power consumption	4W (max.)
Memory	2 memory banks, each saving 60 readings, calculation of the average of saved readings and memory delete
Operating environment	+10˚C to +40˚C, 15% to 85% RH (noncondensing)
Storage environment	-20˚C to +60˚C, 10% to 95% RH (noncondensing)
Applicable arm circumference	22.0 to 42.0 cm
Dimensions	approximately 115 x 115 x 65.9 mm (W x D x H)
Weight	approximately 250 g, without batteries
Accessories	instruction manual, 4 AA batteries

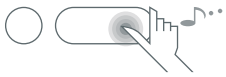
Specifications are subject to change without prior notice due to improvements in performance and quality.

Kazuo Kawasaki*[1] Design Director, Ph.D., Selected in "100 Japanese respected by the WORLD" of NEWSWEEK JAPAN 2004, 2009
Major Awards: iF Award for Good Industrial Design Best of Category, The Grand Prix & Millennium Prize of SILMO in France, Japan Good Design Award Gold Prize
Public Collections: MoMA (*CARNA*, wheelchair), Montreal Science Centre (artificial heart), Smithsonian Cooper-Hewitt National Design Museum, Design Center Stuttgart
URL: http://www.kazuokawasaki.jp

WHO*[2] World Health Organization

QM*[3] Quality Marking given by German Hypertension League to device which passes testing and meets stringent requirements

STEP 1 *Starting a measurement...*



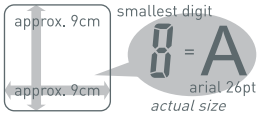
TOUCH-KEY OPERATION

STEP 2 *Taking blood pressure...*

INDIVIDUALLY ADJUSTED FUZZY INFLATION

CUFF STATUS INDICATION

STEP 3 *Blood pressure taken...*



LARGE DISPLAY

WHO CLASSIFICATION

SYS-DIA

PULSE PRESSURE CALCULATION

IRREGULAR PULSE RHYTHM AND BODY MOTION INDICATIONS

RELIABILITY INDICATION

STEP 4 *Saving the reading...*

2 MEMORY BANKS TO CHOOSE

STEP 5 *Waiting for next measurement...*

CLOCK DISPLAY

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