CITIZEN
Micro HumanTech

PRODUCT GUIDE 2007-2008

HEALTH CARE PRODUCTS

Leading Technology for Humanity

Digital Blood Pressure Monitors

Digital Thermometers

Ultrasonic Nebulizer

Digital pedometer

Body Fat Analyzer

CITIZEN
Micro HumanTech

CITIZEN SYSTEMS JAPAN CO., LTD.

CITIZEN SYSTEMS JAPAN CO., LTD.

Leading Technology for Humanity

Determined to develop as a corporation that offers new value
for everyone everywhere through high-quality products and services . . .
. . . Citizen Systems is reinventing itself.

"Leading Technology for Humanity"

— Our corporate slogan expresses the aspirations of every Citizen Systems employee,
each of whom is striving to realize a shared ideal.
We have superior miniaturization and refinement technologies cultivated by members of the Citizen Group.
We have a desire to design products that are easy for anyone to use.
And we have the skills required to pursue quality at every turn,
combined with an unswerving commitment to manufacturing.
We draw on these strengths to manufacture more advanced products for a wide range of fields,
including health information management,
 information/entertainment and business information equipment.
Our aim is to achieve advances in convenience,
enabling people to lead more abundant and comfortable lives anytime and anywhere
— and to disseminate people-friendly technologies and services that help individuals lead healthier, more fulfilling lives.

"Leading Technology for Humanity"
— We continue to take up new challenges with an eye on our customers and with these words in mind.

CITIZEN SYSTEMS JAPAN CO., LTD.

UD **UNIVERSAL DESIGN**

UD(UNIVERSAL DESIGN) is:
The design of products and environments to be usable by all people, to the greatest extent possible, without the need for adaptation or specialized design.
CITIZEN Health Care Products have been developed with the Universal Design concept in mind.
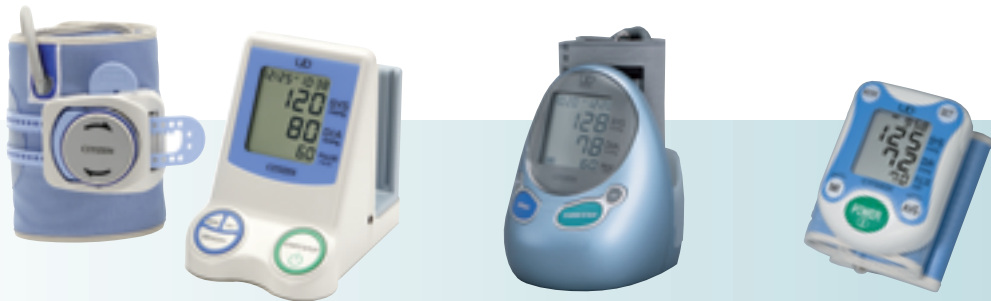
CITIZEN
Micro HumanTech

Citizen Keyword of 21st Century Micro HumanTech

Micro
Citizen Technical Domain
The precision and miniaturization technology that Citizen has developed in a long time; we use these technologies as nuclei, and always stick to the bases of production to make a contribution to the information revolution of 21st century in the field of precision and miniaturization.
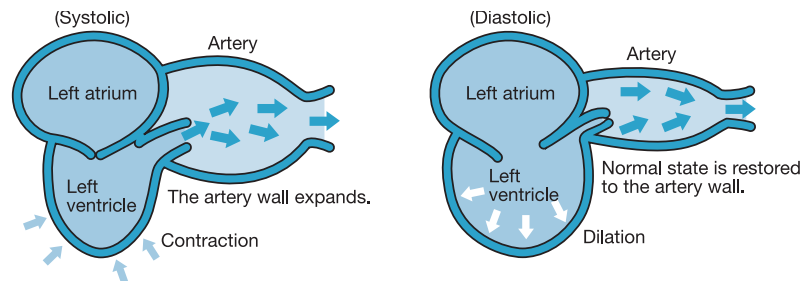
Human
Citizen Technological Philosophy
We provide products and develop technologies to communicate with people; the last consumer, and their healthy and hearty life, and to enable our life live together with the earth. We return to our establish basics known as customer principles in which our hope is to make a contribution to people's life in every where in the world by making products that is familiar and loved by citizens.

Tech
Citizen Technological Method
The professionalism in production that supports the reliance of Citizen. We make a fusion for all technologies such as the precision processing technology, the measurement technology, energy saving technology and the production technology with beautiful and simple designs to create products that is reliable and fascinating. We have a strong belief that the technology fused with sense and knowledge will make people happy.
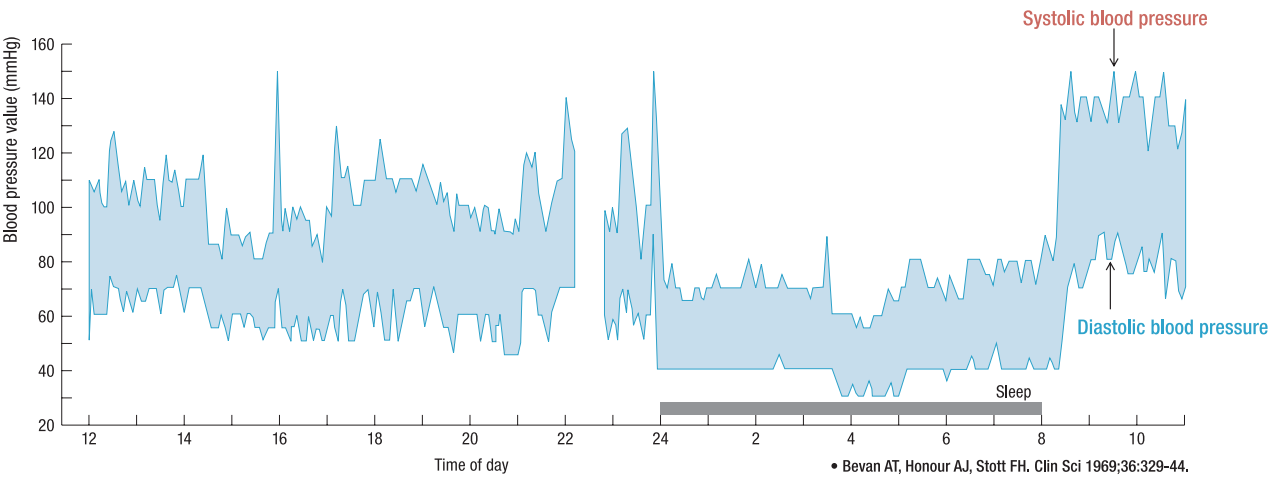
Digital Blood Pressure Monitors

What is blood pressure?

The heart is a pump that circulates blood throughout your body. Blood is pumped from the heart at a constant pressure into arteries. This pressure is called the arterial blood pressure and represents, in general terms, your blood pressure. Blood pressure is indicated by several kinds of pressures, including the systolic pressure that occurs when the heart pumps blood and the diastolic pressure that occurs when blood returns to the heart.

(Systolic)
Artery
Left atrium
Left ventricle
The artery wall expands.
Contraction

(Diastolic)
Artery
Left atrium
Left ventricle
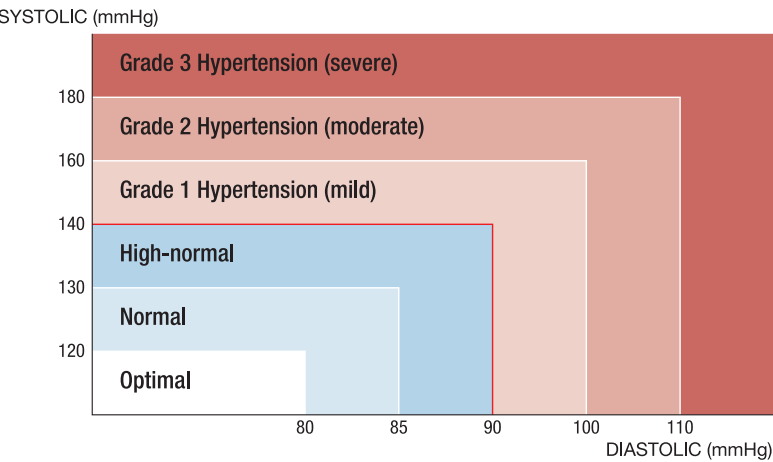Normal state is restored to the artery wall.
Dilation

Your blood pressure changes all the time.

Your blood pressure differs according to your age, gender and a range of other factors. It is likely to be affected by your biorhythm during the day and by your posture, physical activities, mental activities, level of stress and even by the air temperature. The blood pressure of a healthy person generally varies within a day.

Systolic blood pressure
Diastolic blood pressure
Sleep
Blood pressure value (mmHg)
Time of day

• Bevan AT, Honour AJ, Stott FH. Clin Sci 1969;36:329-44.

Blood pressure classifications

SYSTOLIC (mmHg)

Grade 3 Hypertension (severe)
Grade 2 Hypertension (moderate)
Grade 1 Hypertension (mild)
High-normal
Normal
Optimal

DIASTOLIC (mmHg)

The figure left shows the blood pressure classifications under the WHO standards.
(Taking measurements while sitting in the hospital)

Function mark explanation

Upper arm type cuff — Upper Arm
Wrist type cuff — Wrist
Pro adjust cuff — ProAdjust Cuff
Soft cuff — Soft Cuff
Preformed cuff — Hard Cuff
Soft cuff — Soft Cuff
Stored memory Number — 60 Memory
Memory recall — Memory Recall
Automatic Measurement — Auto Measuring
Semi-Automatic Measurement — Semi Auto
High-speed Measurement — 30 Fast
Silent — Silent
Time & Date Display — Time & Date
Alarm & Clock Display — Alarm & Clock
Cuff storage — Storage
Storage
Slim & light weight — Compact Design
Battery life — 500 Times
Auto power off — Auto OFF
Carrying case — Case
Pouch
Case
AC Adapter optional — optional AC Adapter
Monthly Average — Average

CH-463E

Cuff to go easy and accurate
Full automatic Blood Pressure Monitor
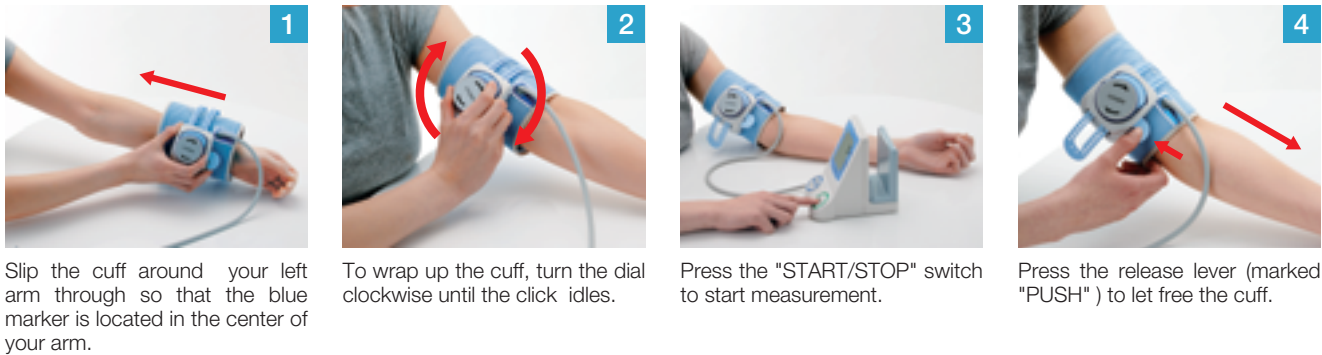
UD UNIVERSAL DESIGN CE 0086

- 60 memories function
- Cuff to go easy and accurate
- Easy-to-read LCD display
- Easy to store integrated cuff holder
- Large buttons for easy opperation
- Automatic power off function
- Simultaneous blood pressure and pulse reading
- AC adapter is optional (AC-230CZ)

SPECIFICATIONS

Measurement System: Oscillometric method
Measurement range: Pressure; 0 　280 mmHg
　　　　Pulse; 40　180 pulse/min
Accuracy: Pressure; ± 3 mmHg,
　　　　Pulse; ± 5 %
Power source: AA size × 4
　　　　Optional AC/DC adapter 6VDC, 1A
Battery life: Manganese battery: Approx. 150 times
　　　　Alkaline battery: Approx. 500 times
Rated voltage: DC6V 3W : Direct Current
Outside dimensions: 112mm W × 148mm D × 152mm H
Weight: Unit: Approx. 520g without batteries
　　　　Cuff: Approx. 250g

Upper Arm | ProAdjust Cuff | 60 Memory | Auto Measuring | 30 Fast | Silent
Alarm & Clock | Storage | Auto OFF | Case | 500 Times | optional AC Adapter

How to operate

| 1 | 2 | 3 | 4 |

Slip the cuff around your left arm through so that the blue marker is located in the center of your arm.

To wrap up the cuff, turn the dial clockwise until the click idles.

Press the "START/STOP" switch to start measurement.

Press the release lever (marked "PUSH") to let free the cuff.

Digital Blood Pressure Monitors

CH-462E

One touch operation, full automatic Blood Pressure Monitor

UD UNIVERSAL DESIGN   CE 0086

- 60 memories function
- Easy-to-read LCD display
- Easy to store integrated cuff holder
- Large buttons for easy opperation
- Automatic power off function
- Simultaneous blood pressure and pulse reading
- AC adapter is optional (AC-230CZ)

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 180 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AA size × 4
	Optional AC/DC adapter 6VDC, 0.6A
Battery life:	Manganese battery: Approx. 150 times
	Alkaline battery: Approx. 500 times
Rated voltage:	DC6V 3W : Direct Current
Outside dimensions:	112mm W × 148mm D x152mm H
Weight:	Unit: Approx. 520g without batteries
	Cuff: Approx. 140g

Upper Arm | Soft Cuff | 60 Memory | Auto Measuring | 30 second Fast | Silent
Alarm & Clock | Storage | Auto OFF | Pouch | 500 Times | optional AC Adapter

ACCUTUBE

Applicable only to CH-461C & CH-462E

UD UNIVERSAL DESIGN

SPECIFICATIONS

Measurement Localization:	Upper Arm
Arm Circumference range:	20 32cm
Weight:	Approx. 250g
Adaption:	CH-462E, CH-461C

Upper Arm | Pro Adjust Cuff

Adaption

CH-461C

CH-462E

CH-461C

One touch operation, full automatic Blood Pressure Monitor

UD UNIVERSAL DESIGN   CE 0086

- 7 memories function
- Easy-to-read LCD display
- Large buttons for easy opperation
- Automatic power off function
- Simultaneous blood pressure and pulse reading
- AC adapter is optional (AC-230CZ)

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 180 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AA size × 4
	Optional AC/DC adapter 6VDC, 0.6A
Battery life:	Manganese battery: Approx. 200 times
	Alkaline battery: Approx. 700 times
Rated voltage:	DC6V 3W : Direct Current
Outside dimensions:	112mm W × 76mm H × 145mm D
Weight:	Unit: Approx. 340g (without batteries)
	Cuff: Approx. 140g

Upper Arm | Soft Cuff | 7 Memory | Auto Measuring | 30 second Fast
Silent | Auto OFF | 700 Times | optional AC Adapter
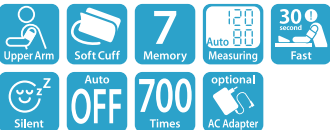
CH-406D

One touch operation Blood Pressure Monitor with Time & Date

CE 0197

- 48 memories function
- Simultaneous blood pressure and pulse reading
- Easy-to-read LCD display
- Automatic power off function
- AC adapter is optional (AC-406EU/US)

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 199 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AA size × 4
	Optional AC/DC adapter 6VDC, 1A
Battery life:	Alkaline battery: Approx. 250 times
Rated voltage:	DC6V 6W : Direct Current
Outside dimensions:	145mm W × 68.8mm H × 105mm D
Weight:	Unit: Approx. 300g without batteries
	Cuff: Approx. 140g

Upper Arm | Soft Cuff | 48 Memory | Auto Measuring
Time & Date | Auto OFF | 250 Times | optional AC Adapter

Function mark explanation

Upper arm type cuff (Upper Arm) | Wrist type cuff (Wrist) | Pro adjust cuff (Pro Adjust Cuff) | Soft cuff (Soft Cuff) | Preformed cuff (Hard Cuff) | Soft cuff (Wrist Soft Cuff) | 60 Stored memory Number (Memory) | Memory recall (Memory Recall) | Automatic Measurement (Auto Measuring) | Semi-Automatic Measurement (Semi Auto) | High-speed Measurement (Fast) | Silent (Silent) | Time & Date Disply (Time & Date) | Alarm & Clock Display (Alarm & Clock) | Cuff storage (Storage) | Cuff storage (Storage) | Compact Design (Compact Design) | Slim & light weight | Battery life (500 Times) | Auto power off (Auto OFF) | Carrying case (Case) | Pouch | Case | AC Adapter optional (AC Adapter) | Monthly Average (Average)

CH-437C

**One touch operation, full automatic
Blood Pressure Monitor**

$C\mathcal{E}$
0086

- 7 memories function
- Easy-to-read LCD display
- Easy to store integrated cuff holder
- Automatic power off function
- Simultaneous blood pressure and pulse reading
- AC adapter is optional (AC-230CZ)

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 180 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AA size × 4
	Optional AC/DC adapter 6V ⎓ 4W
Battery life:	Manganese battery: Approx. 200 times
	Alkaline battery: Approx. 700 times
Rated voltage:	DC6V ⎓ 4W ⎓ : Direct Current
Outside dimensions:	95mm W × 130mm H × 118mm D
Weight:	Unit: Approx. 320g without batteries
	Cuff: Approx. 160g

Upper Arm | Soft Cuff | 7 Memory | Auto 120 80 Measuring

Storage | 700 Times | Auto OFF | optional AC Adapter

CH-403C

**Compact automatic inflation
Blood Pressure Monitor with 7 memories**

$C\mathcal{E}$
0086

- 7 memories function
- Easy-to-read LCD display
- Compact & light weight
- Automatic power off function
- Automatic measuring function
- AC adapter is optional (AC-230CZ)

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 200 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AA size × 4
	Optional AC/DC adapter 6V DC, 1A
Battery life:	Manganese battery: Approx. 200 times
	Alkaline battery: Approx. 400 times
Rated voltage:	DC6V ⎓ 4W ⎓ : Direct Current
Outside dimensions:	135mm W × 51mm H × 130mm D
Weight:	Unit: Approx. 290g without batteries
	Cuff: Approx. 150g

Upper Arm | Soft Cuff | 7 Memory | Auto 120 80 Measuring | 400 Times | Auto OFF | optional AC Adapter

CH-485E

**Oval-shaped unique design,
concept of Universal Design**

UD UNIVERSAL DESIGN $C\mathcal{E}$
0086

- 30 memories function
- Full auto calendar alarm clock
- Easy-to-store integrated cuff holder
- Easy-to-read LCD display
- Large buttons for easy opperation
- Automatic power off function
- Battery indicator
- Simultaneous blood pressure and pulse reading

Full auto calendar
alarm clock

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 180 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AA size × 4
Battery life:	Alkaline battery: Approx. 500 times
Rated voltage:	DC6V ⎓ 4W ⎓ : Direct Current
Outside dimensions:	129mm W × 152mm H × 121mm D
Weight:	Unit: Approx. 400g without batteries
	Cuff: Approx. 150g

Upper Arm | Soft Cuff | 30 Memory | Auto 120 80 Measuring

Alarm & Clock | Storage | 500 Times | Auto OFF

CH-432B

**One touch operation, full automatic
Blood Pressure Monitor**

$C\mathcal{E}$
0086

- Memory recall function
- Easy-to-read LCD display
- Full Automatic cuff inflation
- Automatic measuring function
- Automatic power off function

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 180 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AA size × 4
Battery life:	Manganese battery: Approx. 200 times
	Alkaline battery: Approx. 700 times
Rated voltage:	DC6V ⎓ 4W ⎓ : Direct Current
Outside dimensions:	129mm W × 55mm H × 122mm D
Weight:	Unit: Approx. 230g without batteries
	Cuff: Approx. 150g

Upper Arm | Soft Cuff | Memory Recall | Auto 120 80 Measuring | 700 Times | Auto OFF

Function mark explanation

Upper arm type cuff / Upper Arm | Wrist type cuff / Wrist | Pro adjust cuff / ProAdjust Cuff | Soft cuff / Soft Cuff | Preformed cuff / Hard Cuff | Soft cuff / Soft Cuff | Stored memory Number / 60 Memory | Memory recall / Memory Recall | Automatic Measurement / 120 80 Auto Measuring | Semi-Automatic Measurement / Semi Auto | High-speed Measurement / 30 Fast | Silent / Silent | Time & Date Disply / 12:00 3/25 Time & Date | Alarm & Clock Display / Alarm & Clock | Cuff storage / Storage | Storage | Compact Design / Compact Design | Slim & light weight | Battery life / 500 Times | Auto power off / Auto OFF | Carrying case / Case | Pouch | Case | AC Adapter optional / optional AC Adapter | Monthly Average / Average

▶ Upper Arm / Semi-Automatic

CH-311B

Compact palm top manual inflation Blood Pressure Monitor

CE 0086

- Memory recall function
- Simultaneous blood pressure and pulse reading
- One handed operation
- Easy-to-read LCD display
- Automatic power off function

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 180 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AAA size × 2
Battery life:	Manganese battery: Approx. 700 times
Rated voltage:	DC3V ⎓ 0.1W ⎓ : Direct Current
Outside dimensions:	66.5mm W × 161.5mm H × 44.5mm D
Weight:	Unit: Approx. 110g without batteries
	Cuff: Approx. 150g

Upper Arm | Soft Cuff | Memory Recall | Semi Auto | 700 Times | Auto OFF

CH-302B

Compact manual inflation Blood Pressure Monitor

CE 0086

- Memory recall function
- Easy-to-read LCD display
- Compact & light weight
- Automatic power off function

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 200 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	6F22/9V × 1
Battery life:	Manganese battery: Approx. 400 times
Rated voltage:	DC9V ⎓ 0.1W ⎓ : Direct Current
Outside dimensions:	85mm W × 35mm H × 120mm D
Weight:	Unit: Approx. 110g without battery
	Cuff: Approx. 150g
	Pumping bulb unit: Approx. 40g

Upper Arm | Soft Cuff | Memory Recall | Semi Auto | 400 Times | Auto OFF

CH-308B

Easy operation manual inflation Blood Pressure Monitor

CE 0086

- Memory recall function
- Large LCD display
- Large button
- Automatic power off function

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 200 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AA size × 4
Battery life:	Manganese battery: Approx. 1000 times
Rated voltage:	DC6V ⎓ 0.1W ⎓ : Direct Current
Outside dimensions:	123mm W × 44mm H × 95mm D
Weight:	Unit: Approx. 120g without batteries
	Cuff: Approx. 150g
	Pumping bulb unit: Approx. 40g

Upper Arm | Soft Cuff | Memory Recall | Semi Auto | 1000 Times | Auto OFF

▶ Wrist

CH-671F

Wrist measuring Automatic Blood Pressure Monitor with Time & Date and Monthly average function

UD UNIVERSAL DESIGN   CE 0086

- 90 memories function
- Monthly average function
- Simultaneous blood pressure and pulse reading
- Soft cuff for comfortable use
- Compact design for easy to carry
- Automatic power off function
- With compact storage case

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280mmHg
	Pulse; 40 180 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AAA size × 2
Battery life:	Alkaline battery: Approx. 300 times
Rated voltage:	DC3V ⎓ 1W ⎓ : Direct Current
Outside dimensions:	59mm W × 81mm H × 24mm D
Weight:	Approx. 100g without batteries

Wrist | Wrist Soft Cuff | 90 Memory | Auto Measuring | Time & Date | 300 Times | Auto OFF | Case | Average

Function mark explanation

Upper arm type cuff | Wrist type cuff | Pro adjust cuff | Soft cuff | Preformed cuff | Soft Cuff | Stored memory Number | Memory recall | Automatic Measurement | Semi-Automatic Measurement | High-speed Measurement | Silent | Time & Date Display | Alarm & Clock Display | Cuff storage | Slim & light weight | Battery life | Auto power off | Carrying case | Pouch | Case | AC Adapter optional | Monthly Average

Upper Arm | Wrist | Pro Adjust Cuff | Soft Cuff | Hard Cuff | Wrist Soft Cuff | 60 Memory | Memory Recall | Auto Measuring | Semi Auto | 30 Fast | Silent | Time & Date | Alarm & Clock | Storage | Storage | Compact Design | 500 Times | Auto OFF | Case | Pouch | Case | optional AC Adapter | Average

CH-656C

**Slim and light-weight
Wrist measuring Automatic
7 memories function**

CE 0086

- 7 memories function
- One touch full automatic operation
- Soft cuff for comfortable use
- Compact design for easy to carry
- Automatic power off function
- With compact storage case

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 280 mmHg
	Pulse; 40 180 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AAA size × 2
Battery life:	Alkaline battery: Approx. 400 times
Rated voltage:	DC3V 1W : Direct Current
Outside dimensions:	67mm W × 70mm H × 21mm D
Weight:	Approx. 100g without batteries

Wrist | Soft Cuff | 7 Memory | Auto Measuring
Compact Design | 400 Times | Auto OFF | Case

CH-606

**Wrist measuring Automatic
Portable Blood Pressure
Monitor with Time & Date**

CE 0197

- 48 memories function
- Simultaneous blood pressure and pulse reading
- With time, day and date functions
- One touch automatic operation
- Easy-to put on preformed cuff
- With compact storage case

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 300 mmHg
	Pulse; 40 199 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AAA size × 2
Battery life:	Alkaline battery: Approx. 250 times
Rated voltage:	DC3V 1.8W : Direct Current
Outside dimensions:	72mm W × 70mm H × 29mm D
Weight:	Approx. 100g without batteries

Wrist | Hard Cuff | 48 Memory | Auto Measuring
Time & Date | 250 Times | Auto OFF | Case

CH-607

**Wrist measuring Automatic
Portable Blood Pressure
Monitor and Time & Date**

CE 0197

- 99 memories function
- Simultaneous blood pressure and pulse reading
- With time, day and date functions
- One touch automatic operation
- With compact storage case

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 300 mmHg
	Pulse; 40 199 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AAA size × 2
Battery life:	Alkaline battery: Approx. 250 times
Rated voltage:	DC3V 1.8W : Direct Current
Outside dimensions:	72mm W × 70mm H × 29mm D
Weight:	Approx. 110g without batteries

Wrist | Hard Cuff | 99 Memory | Auto Measuring
Time & Date | 250 Times | Auto OFF | Case

CH-605

**Wrist measuring Automatic
Portable Blood Pressure Monitor**

CE 0197

- 48 memories function
- Simultaneous blood pressure and pulse reading
- Large size LCD display
- One touch automatic operation
- Easy-to put on preformed cuff
- With compact storage case

SPECIFICATIONS

Measurement System:	Oscillometric method
Measurement range:	Pressure; 0 300 mmHg
	Pulse; 40 199 pulse/min
Accuracy:	Pressure; ± 3 mmHg,
	Pulse; ± 5 %
Power source:	AAA size × 2
Battery life:	Alkaline battery: Approx. 250 times
Rated voltage:	DC3V 1.8W : Direct Current
Outside dimensions:	72mm W × 70mm H × 29mm D
Weight:	Approx. 100g without batteries

Wrist | Hard Cuff | 48 Memory | Auto Measuring
250 Times | Auto OFF | Case

Digital Blood Pressure Monitors

Function mark explanation

Upper Arm — Upper arm type cuff | Wrist — Wrist type cuff | Pro Adjust Cuff — Pro adjust cuff | Soft Cuff — Soft cuff | Hard Cuff — Preformed cuff | Soft Cuff — Soft cuff | 60 Memory — Stored memory Number | Memory Recall — Memory recall | Auto Measuring — Automatic Measurement | Semi Auto — Semi-Automatic Measurement | 30 Fast — High-speed Measurement | Silent — Silent | Time & Date — Time & Date Display | Alarm & Clock — Alarm & Clock Display | Storage — Cuff storage | Storage — | Compact Design — Slim & light weight | 500 Times — Battery life | Auto OFF — Auto power off | Case — | Pouch — Carrying case | Case — | optional AC Adapter — AC Adapter optional | Average — Monthly Average

Comparison

Automatic Upper Arm

	Automatic Upper Arm			
Products				
Model	CH-463E	CH-462E	CH-461C	CH-432B
Outside dimensioms	112× 148× 152mm	112× 148× 152mm	112× 76× 145mm	129× 55× 122mm
Weight (without batteries)	Unit: Approx. 520g, Cuff: Approx. 250g	Unit: Approx. 520g, Cuff: Approx. 140g	Unit: Approx. 340g, Cuff: Approx. 140g	Unit: Approx. 230g, Cuff: Approx. 150g
Cuff	Pro adjust cuff	Soft cuff	Soft cuff	Soft cuff
Memory	60 Memory	60 Memory	7 Memory	Memory recall
Display simultaneously				—
Auto measuring				
High-speed measurement				—
Auto power off				
Storage			—	—
Display	Alarm & Clock	Alarm & Clock	—	—
Battery life	500 times	500 times	700 times	700 times
Power source	AA size × 4	AA size × 4	AA size × 4	AA size × 4
Option (AC / DC adapter)				—
Silent				—
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Automatic Upper Arm

	Automatic Upper Arm			
Model	CH-485E	CH-406D	CH-437C	CH-403C
	129× 152× 121mm	145× 68.8× 105mm	95× 130× 118mm	135× 51× 130mm
	Unit: Approx. 400g, Cuff: Approx. 150g	Unit: Approx. 300g, Cuff: Approx. 140g	Unit: Approx. 320g, Cuff: Approx. 160g	Unit: Approx. 290g, Cuff: Approx. 150g
	Soft cuff	Soft cuff	Soft cuff	Soft cuff
	30 Memory	48 Memory	7 Memory	7 Memory
				—
	—	—	—	—
		—		—
	Alarm & Clock	—	—	—
	500 times	250 times	700 times	400 times
	AA size × 4	AA size × 4	AA size × 4	AA size × 4
	—			
	—	—	—	—
	7	6	7	8

Manual Upper Arm

	Manual Upper Arm		
Products			
Model	CH-311B	CH-308B	CH-302B
Outside dimensioms	66.5× 44.5× 161.5mm	123× 44× 95mm	85× 35× 120mm
Weight (without batteries)	Unit: Approx. 110g, Cuff: Approx. 150g	Unit: Approx. 120g, Cuff: Approx. 150g Pumping bulb unit: Approx. 40g	Unit: Approx. 110g, Cuff: Approx. 150g Pumping bulb unit: Approx. 40g
Cuff	Soft cuff	Soft cuff	Soft cuff
Memory	Memory recall	Memory recall	Memory recall
Display simultaneously		—	—
Auto measuring	—	—	—
High-speed measurement	—	—	—
Auto power off			
Battery life	700 times	1000 times	400 times
Power source	AAA size × 2	AA size × 4	6F22/9V × 1
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Wrist

	Wrist				
Products					
Model	CH-671F	CH-656C	CH-607	CH-606	CH-605
Outside dimensioms	59× 81× 24mm	67× 70× 21mm	72× 70× 29mm	72× 70× 29mm	72× 70× 29mm
Weight (without batteries)	Approx. 100g	Approx. 100g	Approx. 110g	Approx. 100g	Approx. 100g
Cuff	Soft cuff	Soft cuff	Hard cuff	Hard cuff	Hard cuff
Memory	90 Memory	7 Memory	99 Memory	48 Memory	48 Memory
Display simultaneously		—			
Auto measuring					
Auto power off					
Time		—			—
Battery life	300 times	400 times	250 times	250 times	250 times
Power source	AAA size × 2	AAA size × 2	AAA size × 2	AAA size × 2	AAA size × 2
Case					
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Digital Thermometers

CT461C CELSIUS (°C)
CT461F FAHRENHEIT (°F)
Reliable and accurate

CE 0197

- General purpose use
- Auto memory recall of last reading
- Buzzer notices
- 3-Digits display
- Auto power off

SPECIFICATIONS

Measuring method:	Temperature peak hold thermometer
Measuring range:	32.0°C 44.0°C 89.6°F 111.2°F
Accuracy:	Celsius ± 0.1°C 35.5 42.0°C
	Fahrenheit ± 0.2F 95.9 107.6°F
Display:	Liquid crystal display LCD
	3 digits with decimal point °C °F ,
	battery weak mark and memory mark
Battery :	DC1.5V Micro Alkaline Battery; LR41 × 1
Battery life :	Approx. 1.5 year If used 10 minutes a day
Unit size :	Approx. 130.8mm L × 18.2mm W × 11.6mm H
Weight:	Approx. 11.2g Including battery

°C Celsius °F Fahrenheit Auto OFF 3 Digits
Memory Recall Buzzer 1.5 Year
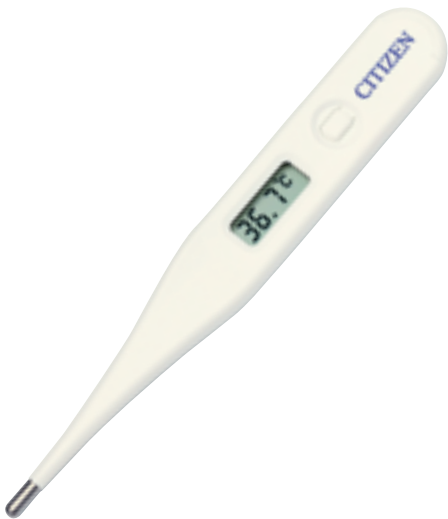
CT513W CELSIUS (°C)
Fully washable, water resistant, always keeps clean

CE 0086

- General purpose use
- Water resistant & fully washable
- Using antibacterial material for cases
- Auto memory recall of last reading
- Buzzer notices
- 3-Digits display
- Auto power off

SPECIFICATIONS

Measuring method:	Temperature peak hold thermometer
Measuring range:	32.0°C 42.0°C
Accuracy:	± 0.1°C 35.5 42.0°C
Display:	Liquid crystal display LCD
	3 digits with decimal point °C,
	memory mark "M"
	Battery mark
Battery :	DC1.5V Micro Alkaline Battery; LR41 × 1
Battery life :	Approx. 3 years If used 3 times a day, for 10 min. each time
Unit size :	Approx. 129mm L × 17mm W × 8mm H
Weight:	Approx. 10g Including battery

°C Celsius Auto OFF 3 Digits Memory Recall
Buzzer Water Resistant Anti Bacterial 3 Year

CT561C CELSIUS (°C)
CT561F FAHRENHEIT (°F)
Fully washable water resistant

CE 0197

- General purpose use
- Water resistant & fully washable
- Auto memory recall of last reading
- Buzzer notices
- 3-Digits display
- Auto power off

SPECIFICATIONS

Measuring method:	Temperature peak hold thermometer
Measuring range:	32.0°C 44.0°C 89.6°F 111.2°F
Accuracy:	Celsius ± 0.1°C 35.5 42.0°C
	Fahrenheit ± 0.2F 95.9 107.6°F
Display:	Liquid crystal display LCD
	3 digits with decimal point °C °F ,
	battery weak mark and memory mark
Battery :	DC1.5V Micro Alkaline Battery; LR41 × 1
Battery life :	Approx. 1.5 yeas If used 10 minutes a day
Unit size :	Approx. 130.8mm L × 18.2mm W × 11.6mm H
Weight:	Approx. 11.2g Including battery

°C Celsius °F Fahrenheit Auto OFF 3 Digits
Memory Recall Buzzer Water Resistant 1.5 Year

CT422 CELSIUS (°C)
Fully washable, water resistant, always keeps clean

CE 0086

- General purpose use
- Water resistant & fully washable
- Using antibacterial material for cases
- Auto memory recall of last reading
- Buzzer notices
- 3-Digits display
- Auto power off

SPECIFICATIONS

Measuring method:	Temperature peak hold thermometer
Measuring range:	32.0°C 42.9°C
Accuracy:	± 0.1°C 35.5 42.0°C
Display:	Liquid crystal display LCD
	3 digits with decimal point °C,
	memory mark "M"
	Battery mark
Battery :	DC1.5V Micro Alkaline Battery; LR41 × 1
Battery life :	Approx. 3 years If used 1 times a day, for 10 min. each time
Unit size :	Approx. 128mm L × 18mm W × 8mm H
Weight:	Approx. 10g Including battery

°C Celsius Auto OFF 3 Digits Memory Recall
Buzzer Water Resistant Anti Bacterial 3 Years

Coming soon

Function mark explanation

°C Celsius | °F Fahrenheit | °C/°F ℃ / ℉ Conversion | Auto OFF Auto power off | 3 Digits / 4 Digits Digits number | Buzzer Buzzer notice | Memory Recall Memory recall | 9 Memory 9 memory | 120 Days 120 memory | Water Resistant Water resistant | Anti Bacterial Antibacterial material | 1 Year / 1.5 Year / 3 Years / 3000 Times Battery life

CT830 CELSIUS (°C) • FAHRENHEIT (°F) CE 0197
Multi-function Digital Ear Thermometer

- 9 memories of ear temperature
- Ear temperature mode or
- surface temperature mode available
- Celsius or Fahrenheit mode available
- No need to use probe cover
- Stop-watch for pulse counting

SPECIFICATIONS

Measuring range:	For ear temperature mode; 34.0°C 42.2°C 93.2 108°F
	For Material surface temperature mode; -22 80°C
	-7.6 176°F
Accuracy:	For ear temperature mode;
	± 0.2°C 0.4°F for temperatures 35.5 42.0°C
	95.9 107.6°F , ± 0.3°C 0.5°F for other ranges
	For Material surface temperature mode;
	± 0.3°C 0.5F for temperatures 22 42.2°C
	-7.6 108°F for other ranges. ± 4% or ± 2°C 4°F ,
	whichever greater
Display:	Liquid crystal display LCD
	3 digits with decimal point °C or °F
Battery :	DC3V Lithium Manganese Dioxide Battery CR2032 × 1
Battery life :	3,000 consecutive measurements
Unit size :	Approx. 115mm L × 37mm W × 29mm H
Weight:	Approx. 60g Including battery

°C/°F | Auto OFF | 3 Digits | Buzzer
9 Memory | 3000 Times

CT915 CELSIUS (°C) CE 0086
Digital graphic thermometer

- 31 readings are displayed by graph
- Up to 120 reading can be recorded automatically
- Basal Body Temperature can be easily measured
- Alarm to notify measurement time is available
- Using antibacterial material for cases

SPECIFICATIONS

Measurement System:	Temperature peak hold thermometer
Measurement range:	32.00°C 42.00°C Unit: 0.01°C
Accuracy:	± 0.05°C 35.00 38.00°C, other ± 0.1
Display:	Display in value 4-digit LCD,
	Display in graph Bar graph of data of 31 days
Battery:	DC3V Lithium Manganese
	Dioxide Battery CR2032 × 1
Battery life:	Approx. 1year If used 1 time a day
Unit size:	Approx. 100mm W × 90mm H × 23.5mm D
Probe cord:	Approx. 400mm
Weight:	Approx. 100g Including battery

°C Celsius | Auto OFF | 4 Digits | Buzzer
120 Days | Anti Bacterial | 1 Year

CT810 CELSIUS (°C)
Twin Thermistors method for
High Accuracy and Stable Measurement

- No need to use a probe cover
- Antibacterial material and
- water resistant construction
- For 2 seconds measurement time
- Auto Power OFF and 3,000 times use
- with one battery(LR44)

SPECIFICATIONS

Measuring range:	32.0°C 42.0°C
Accuracy:	± 0.1°C 36.0≦T≦39.0°C
	Measuring temperature at 23.0°C
	± 0.2°C T<36.0°C, T>39.0°C
	Measuring temperature at 23.0°C
Display:	Liquid crystal display LCD
	3 digits with decial point °C,
	battery weak mark " "
Battery :	DC1.5V Micro Alkaline Battery LR44
Battery life :	Over 3,000 consecutive measurements
Unit size :	Approx. 131mm L × 37mm W × 25mm H
Weight:	Approx. 45g Including battery

°C Celsius | Auto OFF | 3 Digits | Buzzer
Memory Recall | Water Resistant | Anti Bacterial | 3000 Times

Easy and Quick measurement !!

Comes with a compact carrying case.

⚠️ **Caution**

Measurement result with this unit may be different from a result by other type of thermometers due to a different measuring place.

Comparison

Products							
Model	CT461C / CT461F	CT561C / CT561F	CT513W	CT422	CT830	CT810	CT915
Unit Size (Approx.)	130.8× 18.2× 11.6mm	130.8× 18.2× 11.6mm	129× 17× 8mm	128× 18× 8mm	115× 37× 29mm	131× 37× 25mm	100× 90× 23.5mm
Weight	Approx. 11.2g (Including battery)	Approx. 11.2g (Including battery)	Approx. 10g (Including battery)	Approx. 10g (Including battery)	Approx. 60g (Including battery)	Approx. 45g (Including battery)	Approx. 100g (Including battery)
Display	3 Digits	3 Digits	3 Digits	3 Digits	3 Digits	3 Digits	4 Digits
Aniti Bacterial	—	—			—		
Water Resistant	—					—	—
Buzzer							
Auto power off							
Memory recall					—		—
Battery life	1.5 year	1.5 year	3 years	3 years	3000 times	3000 times	1 year
Power source	LR44 × 1	LR44 × 1	LR44 × 1	LR44 × 1	CR2032	LR44 × 1	CR2032
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Function mark explanation

°C Celsius | °F Fahrenheit | °C/°F ℃ / ℉ Conversion | Auto OFF Auto power off | 3 Digits 4 Digits Digits number | Buzzer Buzzer notice | Memory Recall Memory recall | 9 Memory 9 memory | 120 Days 120 memory | Water Resistant Water resistant | Anti Bacterial Antibacterial material | 1 Year 1.5 Year 3 Years 3000 Times Battery life

Digital Thermometers

Ultrasonic Nebulizer

CUN60
Handy design and light in weight with rechargeable battery pack

CE 0434

Handy design with built-in detachable rechargeable battery pack, compact and light-weight

Easy to use uses water as ultrasonic conducting medium, no gel is required

Silent operation thanks to the ultrasonic vibration technology

3-speed nebulization rate control provides optimal treatment for different density

Built-in timer automatically shuts off after 10 minutes use

SPECIFICATIONS
Power: AC100V, 50/60Hz
AC220-240V, 50/60Hz
Power consumption: Approx.10W
Ultrasonic Frequency: 2.5 MHz
Nebulization rate: 3-speed adjustable
Particle size: 5 umMMAD
Medication cup capacity: Max. 8 ml.
Auto shut-off timer: Approx. 10 min
Dimension: 88mm W × 143mm H × 53mm D
Weight: Approx. 350g
Including rechargeable battery-pack
Accessories: Nose piece. Mouth nozzle. Extension tube. Adult & child masks. AC adapter. Medication cup 15 pcs. . Soft carrying case.

Totally Portable !!

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Digital Pedometer

TW300
For your healthy life

CE 0069

Easy to read large Display
Calorie consumption chart
Sensitivity adjustment switch

SPECIFICATIONS
Step detection system: Pendulum mechanism
Display: Liquid crystal digital
Steps: 9 99999 steps
Power source: Type LR44 × 1
Battery life: Approx. 2 years
Dimension: 55mm W× 35.5mm H× 12.8mm D
Weight: Approx. 21g without batteries

Body Fat Analyzer

BM100
For your healthy life

CE 0197

The body conditions up to 15 persons can be registered
The obesity is displayed at four levels
Large LCD Display

SPECIFICATIONS
Measuring range: 5% 50% Measuring unit: 0.1%
Settable height: 100 200cm or 3´5˝ 6´8˝ ft-in
Settable weight: 10 150kg or 1:9 23:9 st.lb) or 23 331 lb
Settable age: 10 80 age
Power source: AAA size × 4
Battery life: Approx. 1year
Dimension: 265mm W × 71mm H × 125mm D
Weight: Approx. 300g without batteries

Easy Operation !!

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Model Index

Model Index		Unit			Master Carton			Jan Code	Page
		Dimension(W× H× Dmm)		Weight(g)	Packed Q'TY	M3	Kg		
Digital Blood Pressure Monitors									
CH-463E		195.0	157.0	203.0	1219.0	10	0.079	16.3	4
CH-462E		170.0	135.0	195.0	972.0	20	0.102	23.5	5
CH-461C		150.0	120.0	130.0	753.0	20	0.064	17.2	5
ACCUTUBE		175.0	145.0	165.0	385.0	20	0.096	11.8	6
CH-406D		145.0	68.8	105.0	300.0	12	0.038	10.0	6
CH-437C		95.0	130.0	118.0	320.0	10	0.036	9.0	7
CH-485E		129.0	152.0	121.0	400.0	10	0.044	9.7	7
CH-403C		135.0	51.0	130.0	290.0	10	0.032	8.0	8
CH-432B		129.0	55.0	122.0	230.0	20	0.065	14.0	8
CH-311B		66.5	161.5	44.5	110.0	20	0.056	11.5	9
CH-308B		123.0	44.0	95.0	120.0	10	0.038	7.0	9
CH-302B		85.0	35.0	120.0	110.0	10	0.030	5.5	10
CH-671F	Wrist Type	59.0	81.0	24.0	100.0	20	0.033	8.0	10
CH-607	Wrist Type	72.06	70.0	29.0	110.0	20	0.027	6.5	11
CH-656C	Wrist Type	70.0	67.0	21.0	100.0	20	0.028	6.5	11
CH-606	Wrist Type	72.0	70.0	29.0	100.0	20	0.027	6.5	12
CH-605	Wrist Type	72.0	70.0	29.0	100.0	20	0.027	6.5	12
Digital Thermometers									
CT461C		130.8	18.2	11.6	11.2	200	0.047	11.0	15
CT461F		130.8	18.2	11.6	11.2	200	0.047	11.0	15
CT561C		130.8	18.2	11.6	11.2	200	0.047	11.0	15
CT561F		130.8	18.2	11.6	11.2	200	0.047	11.0	15
CT513W		129.0	17.0	8.0	10.0	200	0.045	9.7	16
CT422		129.0	17.0	8.0	10.0	200	0.045	9.7	16
CT830		115.0	25.0	37.0	60.0	40	0.071	10.2	17
CT810		131.0	25.0	25.0	45.0	100	0.098	17.0	17
CT915		90.0	100.0	23.5	100.0	60	0.052	15.0	18
Ultrasonic Nebulizer									
CUN60		88.0	143.0	350.0	350.0	10	0.050	14.5	19
Digital Pedometer									
TW300		80.0	137.0	26.0	44.0	200	0.058	820.0	20
Body Fat Analyzer									
BM100		265.0	71.0	300.0	300.0	20	0.088	13.0	20