

PRODUCT GUIDE

HEALTH CARE PRODUCTS

Digital Blood Pressure Monitor

Digital Thermometer

Digital Pedometer

Nebulizer



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 unwavering 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.



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.

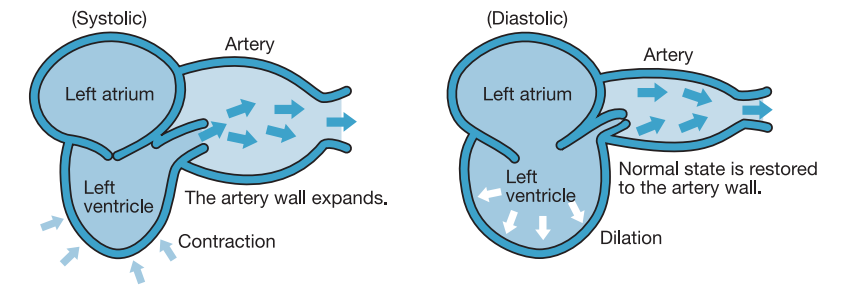
Human Citizen Technological Philosophy
 We provide products and develop technologies to communicate with people; the last consumer, and their healthy and hearty life, and to enable our life live together with the earth. We return to our establish basics known as customer principles in which our hope 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 Monitor

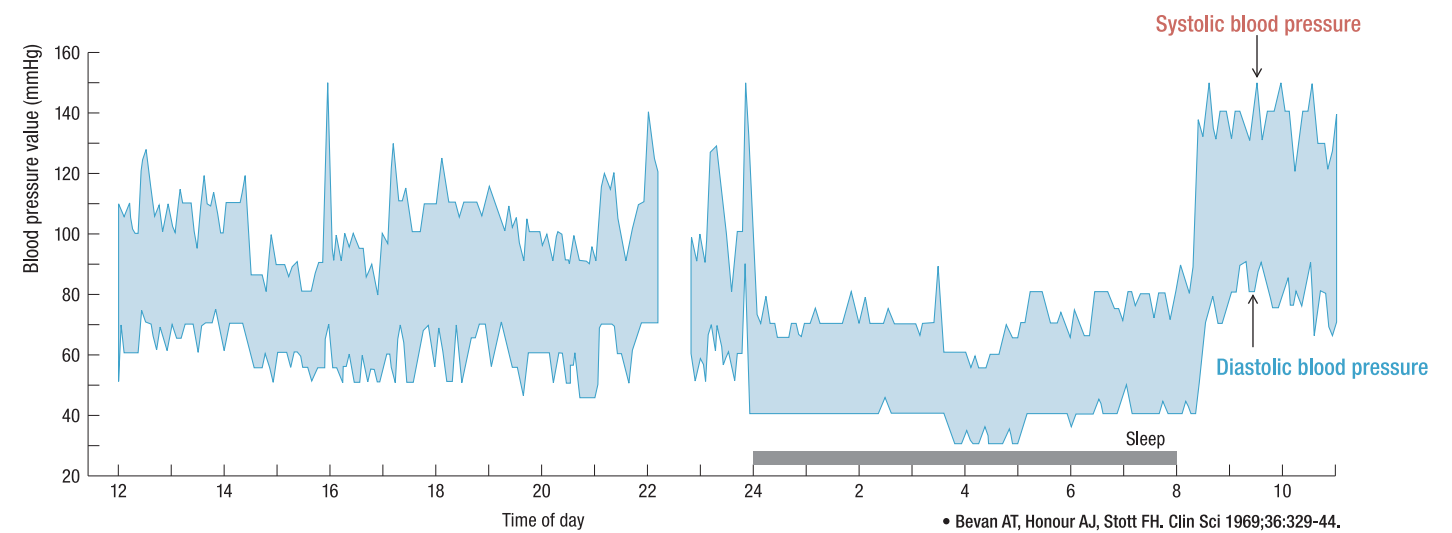
What is blood pressure?

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.



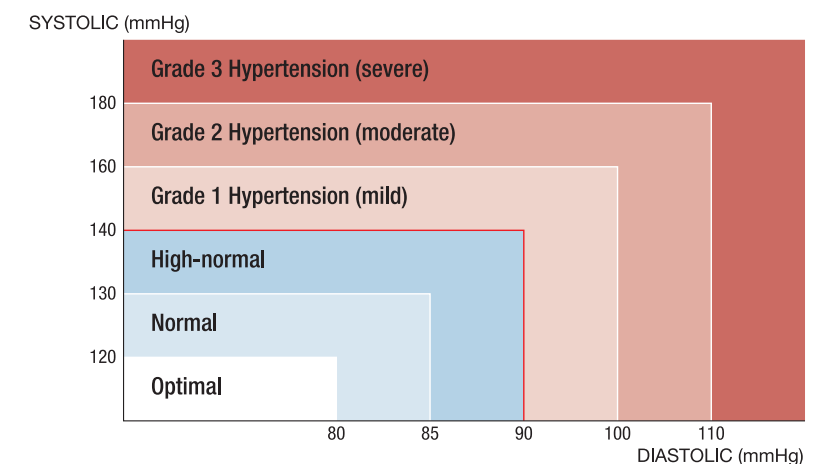
Your blood pressure changes all the time.

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.



Blood pressure classifications

The figure right shows the blood pressure classifications under the WHO standards. (Taking measurements while sitting in the hospital) [WHO / ISH : 1999]



Digital Blood Pressure Monitor

Upper arm / Full automatic

CH-456

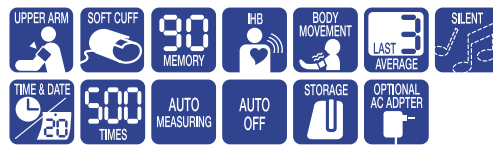


- Irregular Heartbeat indicator
- Body movement indicator
- 90 memories function
- Average of last 3 readings
- Easy to read LCD display
- Cuff storage holder
- Automatic power off function
- Simultaneous blood pressure and pulse reading
- Time and date
- AC adapter is optional (AC-230CZ)

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	Optional AC/DC adapter (DC 6V, 0.6A) Manganese battery : Approx. 150 times Alkaline battery : Approx. 500 times
Rated voltage	DC6V --- 3W (--- : Direct Current)
Outside dimensions	W105×H166×D122 mm
Weight	Unit : Approx. 390g (without batteries) Cuff : Approx. 130g



NEW



How to operate



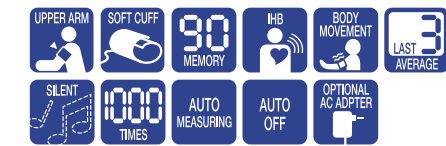
- 1 Wrap the Cuff around your arm and make sure the blue marker is located in the center of your arm.
- 2 Place your arm on a table with your palm opened and relaxed. Press the START/STOP switch to start measurement.
- 3 The blood pressure generally varies in a day. Preferably, you should measure your blood pressure at the same time each day wherever possible.

CH-453



- Irregular Heartbeat indicator
- Body movement indicator
- 90 memories function
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off function
- Simultaneous blood pressure and pulse reading
- AC adapter is optional (AC-230CZ)

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	Optional AC/DC adapter (DC 6V, 0.6A) Manganese battery : Approx. 300 times Alkaline battery : Approx. 1,000 times
Rated voltage	DC6V --- 3W (--- : Direct Current)
Outside dimensions	W130×H53×D118 mm
Weight	Unit : Approx. 240g (without batteries) Cuff : Approx. 130g

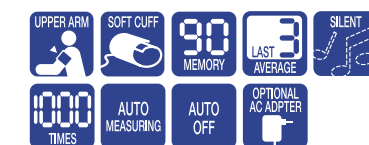


CH-452

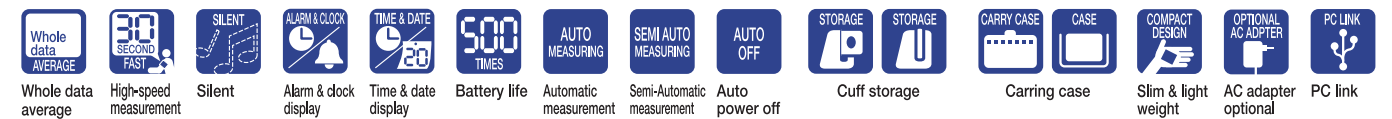
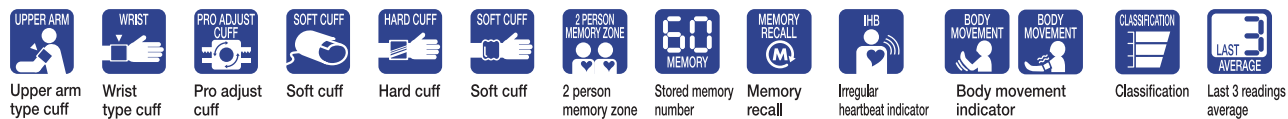


- 90 memories function
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off function
- AC adapter is optional (AC-230CZ)

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	Optional AC/DC adapter (DC 6V, 0.6A) Manganese battery : Approx. 300 times Alkaline battery : Approx. 1,000 times
Rated voltage	DC6V --- 3W (--- : Direct Current)
Outside dimensions	W129×H55×D119 mm
Weight	Unit : Approx. 240g (without batteries) Cuff : Approx. 130g



Function mark explanation

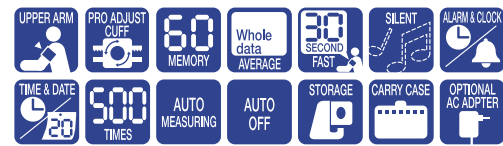


Upper arm / Full automatic

CH-463E

- 60 memories function
- Average of the whole data stored in memory
- With pro adjust cuff
- Easy to read LCD display
- Cuff storage holder
- Large buttons for easy operation
- Automatic power off function
- Simultaneous blood pressure and pulse reading
- Time and date
- AC adapter is optional (AC-230CZ)

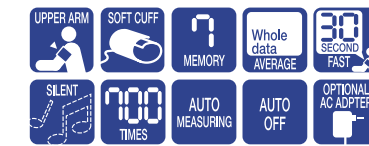
Measurement system	Oscillometric method
Measurement range	Pressure : 0~280 mmHg Pulse : 40~180 pulse/min
Accuracy	Pressure : ± 3 mmHg Pulse : ± 5 %
Power source	AA size × 4
Battery life	Optional AC/DC adapter (DC 6V, 0.6A) Manganese battery : Approx. 150 times Alkaline battery : Approx. 500 times
Rated voltage	DC6V ≐ 3W (≐ : Direct Current)
Outside dimensions	W112×H152×D148 mm
Weight	Unit : Approx. 520g (without batteries) Cuff : Approx. 250g



CH-461C

- 7 memories function
- Average of the whole data stored in memory
- Easy to read LCD display
- Large buttons for easy operation
- Automatic power off function
- Simultaneous blood pressure and pulse reading
- AC adapter is optional (AC-230CZ)

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	Optional AC/DC adapter (DC 6V, 0.6A) Manganese battery : Approx. 200 times Alkaline battery : Approx. 700 times
Rated voltage	DC6V ≐ 3W (≐ : Direct Current)
Outside dimensions	W112×H76×D145 mm
Weight	Unit : Approx. 340g (without batteries) Cuff : Approx. 140g



How to operate Pro adjust cuff [CH-463E]



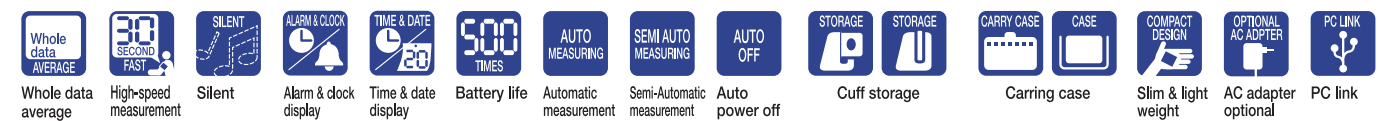
- 1 Slip the cuff around your left arm through so that the blue marker is located in the center of your arm.
- 2 To wrap up the cuff, turn the dial clockwise until the click idles.
- 3 Press the "START/STOP" switch to start measurement.
- 4 Press the release lever (marked "PUSH") to let free the cuff.

Accutube [Pro adjust cuff]

Applicable only for CH-461C



Measurement localization	Upper arm
Arm circumference range	20~32 cm
Weight	Approx. 250g



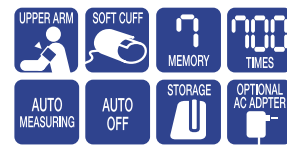
Upper arm / Full automatic

CH-437C

CE
0086

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

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	Optional AC/DC adapter (DC 6V, 0.6A) Manganese battery : Approx. 200 times Alkaline battery : Approx. 700 times
Rated voltage	DC6V ≐ 4W (≐ : Direct Current)
Outside dimensions	W95 × H130 × D118 mm
Weight	Unit : Approx. 300g (without batteries) Cuff : Approx. 160g



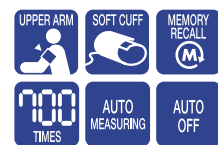
CH-432B

CE
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Clinically Validated
ESH Protocol

- Memory recall function
- Automatic measuring function
- Automatic power off function

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	W129 × H55 × D122 mm
Weight	Unit : Approx. 230g (without batteries) Cuff : Approx. 130g



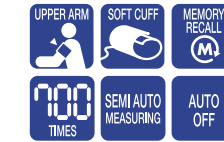
Upper arm / Semi-Automatic

CH-311B

CE
0086

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

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	W66.5 × H44.5 × D161.5 mm
Weight	Unit : Approx. 110g (without batteries) Cuff : Approx. 130g

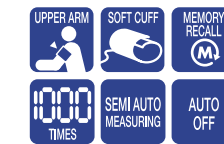


CH-308B

CE
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- Memory recall function
- Large button
- Automatic power off function

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. 1,000 times
Rated voltage	DC6V ≐ 0.1W (≐ : Direct Current)
Outside dimensions	W123 × H44 × D95 mm
Weight	Unit : Approx. 120g (without batteries) Cuff : Approx. 130g Pumping bulb unit : Approx. 40g



CH-302B

CE
0086

- Memory recall function
- Compact & light weight
- Automatic power off function

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	W85 × H35 × D120 mm
Weight	Unit : Approx. 110g (without batteries) Cuff : Approx. 130g Pumping bulb unit : Approx. 40g



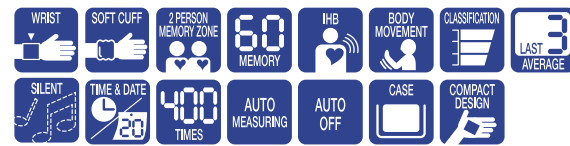
Wrist / Full automatic

CH-658



- Irregular Heartbeat indicator
- Body movement indicator
- Classification of Hypertension indicator
- 2-person memory zone (60 memories each)
- Average of last 3 readings
- Time and date
- Easy to read LCD display
- Automatic power off function
- Handy and slim design
- With compact storage case
- Simultaneous blood pressure and pulse reading

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 \approx 3W (\approx : Direct Current)
Outside dimensions	W70×H71×D15 mm
Weight	Approx. 90g (without batteries)

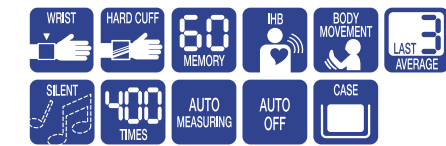


CH-650



- Irregular Heartbeat indicator
- Body movement indicator
- 60 memories function
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off function
- With storage case
- Simultaneous blood pressure and pulse reading

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 \approx 3W (\approx : Direct Current)
Outside dimensions	W65×H74×D29 mm
Weight	Approx. 103g (without batteries)

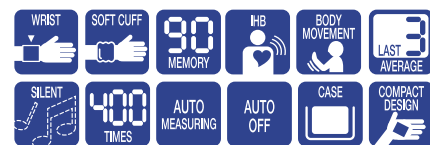


CH-657



- Irregular Heartbeat indicator
- Body movement indicator
- 90 memories function
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off function
- Handy and slim design
- With compact storage case
- Simultaneous blood pressure and pulse reading

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 \approx 3W (\approx : Direct Current)
Outside dimensions	W69×H70×D15 mm
Weight	Approx. 86g (without batteries)



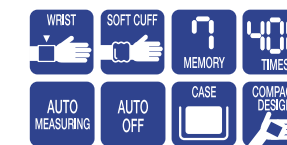
CH-656C



Clinically Validated
ESH Protocol

- 7 memories function
- Automatic power off function
- Handy and slim design
- With compact storage case

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 \approx 1W (\approx : Direct Current)
Outside dimensions	W67×H70×D21 mm
Weight	Approx. 100g (without batteries)



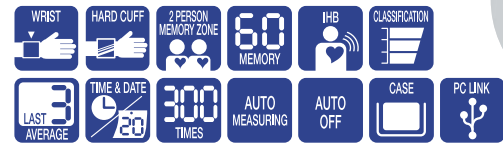
Wrist / Full automatic

CH-608

- Irregular Heartbeat indicator
- Classification of Hypertension indicator
- 2-person memory zone (60 memories each)
- Average of last 3 readings
- Time and date
- Automatic power off function
- With storage case
- Simultaneous blood pressure and pulse reading
- PC link available (option)

Measurement system Oscillometric method
 Measurement range Pressure : 0~299 mmHg
 Pulse : 40~199 pulse/min
 Accuracy Pressure : ± 3 mmHg
 Pulse : ± 5 %
 Power source AAA size×2
 Battery life Alkaline battery : Approx. 300 times
 Rated voltage DC3V ≐ 3W (≐ : Direct Current)
 Outside dimensions W78×H66×D32 mm
 Weight Approx. 115g (without batteries)

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0086

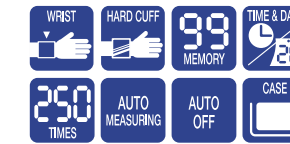


CH-607

- 99 memories function
- Simultaneous blood pressure and pulse reading
- Time and date
- Automatic power off function
- With storage case

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 W72×H70×D29 mm
 Weight Approx. 110g (without batteries)

CE
0197

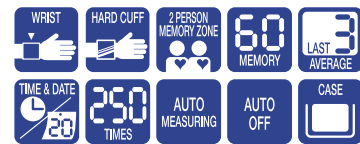


CH-618

- 2-person memory zone (60 memories each)
- Simultaneous blood pressure and pulse reading
- Average of last 3 readings
- Time and date
- Automatic power off function
- With storage case

Measurement system Oscillometric method
 Measurement range Pressure : 0~300 mmHg
 Pulse : 40~280 pulse/min
 Accuracy Pressure : ± 3 mmHg
 Pulse : ± 5 %
 Power source AAA size×2
 Battery life Alkaline battery : Approx. 250 times
 Rated voltage DC3V ≐ 3W (≐ : Direct Current)
 Outside dimensions W70×H72×D29.5 mm
 Weight Approx. 127g (without batteries)

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0197

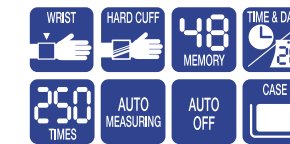


CH-606

- 48 memories function
- Simultaneous blood pressure and pulse reading
- Time and date
- Automatic power off function
- With storage case

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 W72×H70×D29 mm
 Weight Approx. 100g (without batteries)

CE
0197

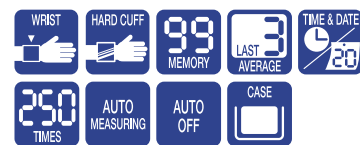


CH-617

- 99 memories function
- Simultaneous blood pressure and pulse reading
- Average of last 3 readings
- Time and date
- Automatic power off function
- With storage case

Measurement system Oscillometric method
 Measurement range Pressure : 0~300 mmHg
 Pulse : 40~280 pulse/min
 Accuracy Pressure : ± 3 mmHg
 Pulse : ± 5 %
 Power source AAA size×2
 Battery life Alkaline battery : Approx. 250 times
 Rated voltage DC3V ≐ 3W (≐ : Direct Current)
 Outside dimensions W72×H72×D29.5 mm
 Weight Approx. 121g (without batteries)

CE
0197



CH-605

- 48 memories function
- Simultaneous blood pressure and pulse reading
- Automatic power off function
- With storage case

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 W72×H70×D29 mm
 Weight Approx. 100g (without batteries)






CE
0197








Digital Blood Pressure Monitor

Products	Upper Arm / Full Automatic				
					
Model	CH-456	CH-453	CH-452	CH-463E	CH-461C
Outside dimensions	105 × 166 × 122mm	130 × 53 × 118 mm	129 × 55 × 119 mm	112 × 152 × 148 mm	112 × 76 × 145 mm
Weight (Without batteries)	Unit: Approx. 390g Cuff: Approx. 130g	Unit: Approx. 240g Cuff: Approx. 130g	Unit: Approx. 240g Cuff: Approx. 130g	Unit: Approx. 520g Cuff: Approx. 250g	Unit: Approx. 340g Cuff: Approx. 140g
Cuff	Soft cuff	Soft cuff	Soft cuff	Pro adjust cuff	Soft cuff
Memory	90 Memory	90 Memory	90 Memory	60 Memory	7 Memory
Irregular Heartbeat indicator	●	●	—	—	—
Body movement indicator	●	●	—	—	—
Average	Last 3 readings	Last 3 readings	Last 3 readings	Whole data stored	Whole data stored
Display simultaneously	●	●	—	●	●
Auto measuring	●	●	●	●	●
Auto power off	●	●	●	●	●
Time & Date	●	—	—	●	—
Alarm & Clock	—	—	—	●	—
Battery life	500 times	1,000 times	1,000 times	500 times	700 times
Power source	AA size × 4	AA size × 4	AA size × 4	AA size × 4	AA size × 4
Option (AC/DC adapter)	●	●	●	●	●
Silent	●	●	●	●	●
Case	—	—	—	●	—
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Upper Arm / Full Automatic		Upper Arm / Semi-Automatic			
					
Model	CH-437C	CH-432B	CH-311B	CH-308B	CH-302B
Outside dimensions	95 × 130 × 118 mm	129 × 55 × 122 mm	66.5 × 44.5 × 161.5 mm	123 × 44 × 95 mm	85 × 35 × 120 mm
Weight (Without batteries)	Unit: Approx. 300g Cuff: Approx. 160g	Unit: Approx. 230g Cuff: Approx. 130g	Unit: Approx. 110g Cuff: Approx. 130g	Unit: Approx. 120g Cuff: Approx. 130g Pumping bulb: Approx. 40g	Unit: Approx. 110g Cuff: Approx. 130g Pumping bulb: Approx. 40g
Cuff	Soft cuff	Soft cuff	Soft cuff	Soft cuff	Soft cuff
Memory	7 Memory	Memory recall	Memory recall	Memory recall	Memory recall
Irregular Heartbeat indicator	—	—	—	—	—
Body movement indicator	—	—	—	—	—
Average	—	—	—	—	—
Display simultaneously	●	—	●	—	—
Auto measuring	●	●	—	—	—
Auto power off	●	●	●	●	●
Time & Date	—	—	—	—	—
Alarm & Clock	—	—	—	—	—
Battery life	700 times	700 times	700 times	1,000 times	400 times
Power source	AA size × 4	AA size × 4	AAA size × 2	AA size × 4	6F22/ 9V × 1
Option (AC/DC adapter)	●	—	—	—	—
Silent	—	—	—	—	—
Case	—	—	—	—	—
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Products	Wrist / Full Automatic				
					
Model	CH-658	CH-657	CH-650	CH-656C	CH-608
Outside dimensions	70 × 71 × 15 mm	69 × 70 × 15 mm	65 × 74 × 29 mm	67 × 70 × 21 mm	78 × 66 × 32 mm
Weight (Without batteries)	Approx. 90g	Approx. 86g	Approx. 103g	Approx. 100g	Approx. 115g
Cuff	Soft cuff	Soft cuff	Hard cuff	Soft cuff	Hard cuff
Memory	2 × 60 Memory	90 Memory	60 Memory	7 Memory	2 × 60 Memory
Irregular Heartbeat indicator	●	●	●	—	●
Body movement indicator	●	●	●	—	—
Average	Last 3 readings	Last 3 readings	Last 3 readings	—	Last 3 readings
Display simultaneously	●	●	●	—	●
Auto measuring	●	●	●	●	●
Auto power off	●	●	●	●	●
Time & Date	●	—	—	—	●
Battery life	400 times	400 times	400 times	400 times	300 times
Power source	AAA size × 2	AAA size × 2	AAA size × 2	AAA size × 2	AAA size × 2
Case	●	●	●	●	●
Page	P.8	P.8	P.9	P.9	P.10

Wrist / Full Automatic					
					
Model	CH-618	CH-617	CH-607	CH-606	CH-605
Outside dimensions	70 × 72 × 29.5 mm	70 × 72 × 29.5 mm	72 × 70 × 29 mm	72 × 70 × 29 mm	72 × 70 × 29 mm
Weight (Without batteries)	Approx. 127g	Approx. 121g	Approx. 110g	Approx. 100g	Approx. 100g
Cuff	Hard cuff	Hard cuff	Hard cuff	Hard cuff	Hard cuff
Memory	2 × 60 Memory	99 Memory	99 Memory	48 Memory	48 Memory
Irregular Heartbeat indicator	—	—	—	—	—
Body movement indicator	—	—	—	—	—
Average	Last 3 readings	Last 3 readings	—	—	—
Display simultaneously	●	●	●	●	●
Auto measuring	●	●	●	●	●
Auto power off	●	●	●	●	●
Time & Date	●	●	●	●	—
Battery life	250 times	250 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	●	●	●	●	●
Page	P.10	P.10	P.11	P.11	P.11

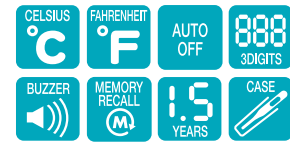
Digital Thermometer

Stick type

CT461C **CELSIUS (°C)**

CT461F **FAHRENHEIT (°F)**

- General purpose use
- Auto memory recall of last reading
- Buzzer notice
- 3 digits display
- Auto power off



CE
0197



Measurement method Temperature peak hold thermometer
 Measurement range 32.0°C ~44.0°C (89.6°F ~111.2°F)
 Accuracy Celsius : ±0.1°C (35.5~42.0°C)
 Fahrenheit : ±0.2°F (95.9~107.6°F)
 Display 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 years (If used 10 minutes a day)
 Outside dimensions Approx. W18.2 × L130.8 × D11.6 mm
 Weight Approx. 11.2g (Including battery)

CT561C **CELSIUS (°C)**

CT561F **FAHRENHEIT (°F)**

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



CE
0197



Measurement method Temperature peak hold thermometer
 Measurement range 32.0°C ~44.0°C (89.6°F ~111.2°F)
 Accuracy Celsius : ±0.1°C (35.5~42.0°C)
 Fahrenheit : ±0.2°F (95.9~107.6°F)
 Display 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 years (If used 10 minutes a day)
 Outside dimensions Approx. W18.2 × L130.8 × D11.6 mm
 Weight Approx. 11.2g (Including battery)

CT513W **CELSIUS (°C)**

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



CE
0086



Measurement method Temperature peak hold thermometer
 Measurement range 32.0°C ~42.0°C
 ±0.1°C (35.5~42.0°C)
 Display 3 digits with decimal point, °C,
 battery weak mark and memory mark "M"
 Battery DC1.5V (Micro Alkaline Battery : LR41×1)
 Battery life Approx. 3 years (If used 3 times a day, for 10 minutes each time)
 Outside dimensions Approx. W17 × L129 × D8 mm
 Weight Approx. 10g (Including battery)

Ear type

CT810 **CELSIUS (°C)**

- Water resistant
- Using antibacterial material for cases
- Auto memory recall of last reading
- No need to use a probe cover
- Buzzer notice
- 3 digits display
- Auto power off

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

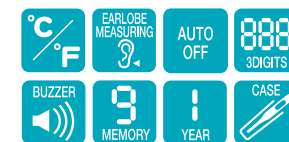


Measurement range 32.0°C ~42.0°C
 Accuracy ±0.1°C 36.0 ≤ T ≤ 39.0°C (Measuring temperature at 23.0°C)
 ±0.2°C T < 36.0°C, T > 39.0°C (Measuring temperature at 23.0°C)
 Display 3 digits with decimal point, °C,
 battery weak mark and memory mark "MR"
 Battery DC1.5V (Micro Alkaline Battery : LR44×1)
 Battery life Over 3,000 consecutive measurements or
 3 years (If used 3 times for a day)
 Outside dimensions Approx. W37 × L131 × D25 mm
 Weight Approx. 45g (Including battery)

CT830 **CELSIUS (°C) · FAHRENHEIT (°F)**

- 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
- Buzzer notice
- 3 digits display
- Auto power off

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



CE
0197



Measurement range For ear temperature mode : 34.0°C ~42.2°C (93.2~108°F)
 For material surface temperature mode : -22°C ~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 (0.5°F) for temperatures
 22~42.2°C (-7.6~108°F) for other ranges
 ±4% or 2°C (4°F) whichever is greater
 Display 3 digits with decimal point °C or °F, battery weak mark, ear temperature
 mark, material temperature mark, stopwatch mark, memory mark
 Battery DC3V (Lithium cell Battery CR2032×1)
 Battery life 3,000 consecutive measurements or 1 year (if used 1-2 time for a day)
 Outside dimensions Approx. W37 × L115 × D29 mm
 Weight Approx. 60g (Including battery)

Products					
Model	CT461C / CT461F	CT561C / CT561F	CT513W	CT810	CT830
Unit size (Approx.)	18.2 × 130.8 × 11.6 mm	18.2 × 130.8 × 11.6 mm	17 × 129 × 8 mm	37 × 131 × 25 mm	37 × 115 × 29 mm
Weight (including battery)	Approx. 11.2g	Approx. 11.2g	Approx. 10g	Approx. 45g	Approx. 60g
Display	3 digits	3 digits	3 digits	3 digits	3 digits
Anti bacterial	—	—	●	●	—
Water resistant	—	●	●	●	—
Buzzer	●	●	●	●	●
Auto power off	●	●	●	●	●
Memory	Memory recall	Memory recall	Memory recall	Memory recall	9 Memory
Battery life	1.5 years	1.5 years	3 years	3 years	1 year
Power source	LR41 × 1	LR41 × 1	LR41 × 1	LR44 × 1	CR2032 × 1



TW600



- Thin-type pedometer
- 3-D acceleration sensor
- Indication of amount of exercise (Ex)
- The accumulated data for a 7-day period
- Memory for 14 days
- Drip-proof construction
- Function for preventing measuring errors when walking
- Power saving mode

Step detection system	3-D acceleration sensor
Display	LCD
Display contents	Date and time 24-hour system Step Maximum 999999 steps Calorie consumption Maximum 99999.9kcal Amount of burnt fat Maximum 9999.9g Walking distance Maximum 999.99km Walking time Maximum 99999 minutes Mean speed Maximum 99.99km/h Exercise Maximum 99.9Ex
Memory	14-day
Power source	Type CR2032 x 1
Battery life	Approx. 6 months
Outside dimensions	Approx. W73 x H31 x D10 mm
Weight	Approx. 25g



TW600-RED



TW600-BLACK



TW600-BLUE

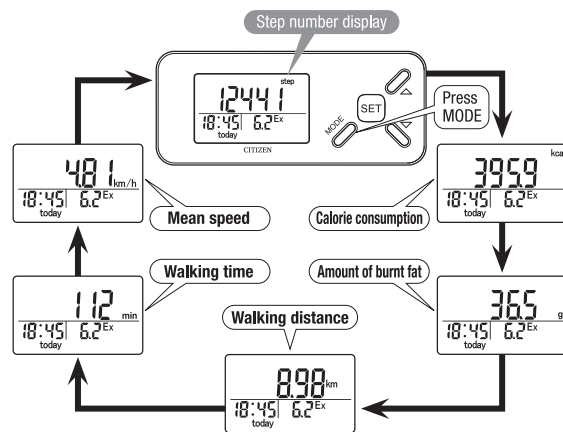


TW600-WHITE

Features of the TW600

Reviewing various measured values

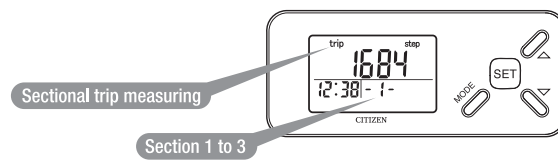
Each time (MODE) switch is pressed, the screen display on the top column changes, enabling you to view respective measured values as shown below: (Number of steps → Calorie consumption → Amount of burnt fat → Walking distance → Walking time → Mean speed → Number of steps...)



Convenient function

Sectional trip measuring

(SET) switch displays the characters reading <trip> on the screen. You can measure optional three (3) sections.



(Example 1 of actual use)

- Section 1 : When you want to measure the number of steps to the station, for example
- Section 2 : When measuring the number of steps while you are on a business trip
- Section 3 : When measuring the number of steps for one (1) month

(Example 2 of actual use)

- Section 1 : For setting a rough marking for a break after every 5,000 steps
- Section 2 : For setting a rough marking for the distance from the station to a rest point
- Section 3 : For measuring the number of steps of a complete hiking route

What is an amount of exercise?

Amount of exercise (Ex) refers to the unit indicating the amount of physical activity.

To prevent lifestyle diseases, you are recommended to actively engage in a minimum of 23 Ex physical activities (exercise and daily activities) a week.

It is also recommended that you check with the guideline by the health authority in your area.

Amount of exercise (Ex)

$$= \text{Intensity of physical activities (METs)} \times \text{Time (hr)}$$

Intensity of physical activities (METs) multiplied by duration (hr) of physical activity makes an amount of exercise (Ex) .

METs

= Metabolic Equivalents, the unit of intensity of physical activities

The unit for expressing the "intensity of physical activities" by the multiplication equivalent to the counterpart during rest.

Normal walking is equivalent to 3 METs.

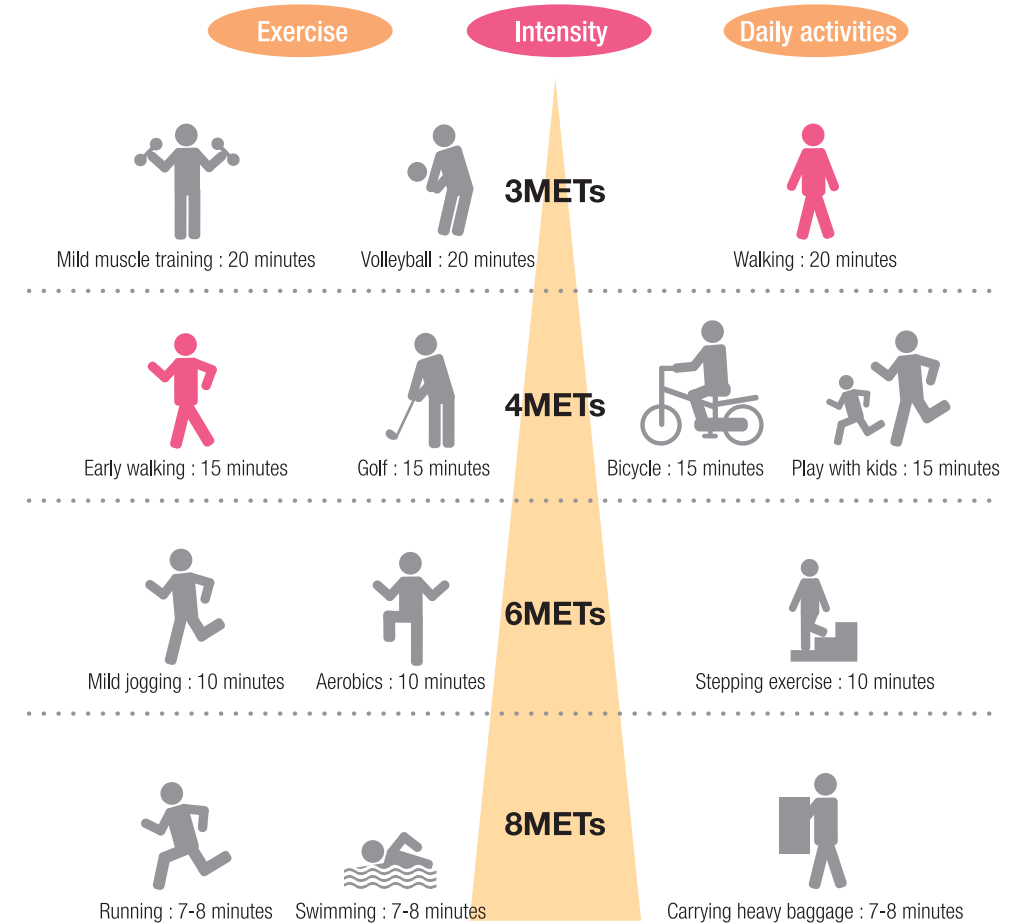
This product indicates the amount of exercise (Ex) by the number of steps.

Reference)

Normal walking (3 METs) x 1 hour = 3 Ex

Fast walking (4 METs) x 1 hour = 4 Ex

Diverse physical activities be equivalent to 1 Ex.



CUN60-CE
CUN60-120V



- **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

Power	AC220-240V, 50/60Hz : CUN-CE AC100V, 50/60Hz : CUN60-120V
Power consumption	Approx. 10W
Ultrasonic Frequency	2.5 MHz
Nebulization rate	3-speed adjustable
Particle size	5 μmMMAD
Medication cup capacity	Max. 8ml
Auto shut-off timer	Approx. 10min
Dimensions	W88×H143×D53 mm
Weight	Approx. 350g (Including rechargeable battery-pack)
Accessories	Nose piece, Mouth nozzle, Extension tube, Adult & child masks, AC adapter, Medication cup (5 pcs.). Soft carrying case.

Totally Portable



Model Index	Gift Box Size			Master Carton			Jan Code	Page		
	Dimension (L×W×H mm)	Weight (g)	Packed Q'TY	M3	kg					
Digital Blood Pressure Monitor										
CH-456	NEW	185	130	112	788	20	0.069	17.0	4580193650900	2
CH-453		130	165	90	607	20	0.049	13.7	4580193650634	3
CH-452		130	165	90	601	20	0.047	13.0	4580193650603	3
CH-463E		157	195	203	1390	10	0.077	16.3	4580193650207	4
CH-461C		120	150	130	767	20	0.063	17.2	4580193650191	5
Accutube		135	195	170	500	20	0.102	10.8	4580193650375	5
CH-437C		121	139	165	717	10	0.037	9.2	4580193650047	6
CH-432B		130	165	90	565	20	0.059	13.8	4966006689143	6
CH-311B		115	185	95	468	20	0.054	11.5	4562195130079	7
CH-308B		140	165	88	490	10	0.031	6.6	4966006708028	7
CH-302B		132	170	77	400	10	0.024	5.7	4966006627428	7
CH-658	NEW	54	94	133	276	40	0.036	12.0	4580193650894	8
CH-657		54	94	133	276	40	0.036	12.0	4580193650627	8
CH-650		98	91	135	302	40	0.060	13.2	4580193650702	9
CH-656C		72	117	139	285	20	0.028	6.5	4966006689167	9
CH-608		100	110	157	346	24	0.046	7.2	4580193650474	10
CH-618	NEW	90	104	110	312	20	0.030	6.6	4580193650887	10
CH-617	NEW	90	104	110	305	20	0.030	6.5	4580193650870	10
CH-607		90	104	110	300	20	0.030	6.5	4966006708073	11
CH-606		90	104	110	289	20	0.030	6.3	4966006689358	11
CH-605		90	104	110	292	20	0.030	6.3	4966006689341	11
Digital Thermometer										
CT461C		40	150	17	44	200	0.042	10.7	4966006627886	14
CT461F		40	150	17	44	200	0.042	10.7	4966006627879	14
CT561C		40	150	17	44	200	0.042	10.7	4966006627909	14
CT561F		40	150	17	44	200	0.042	10.7	4966006627893	14
CT513W		42	184	19	43	200	0.041	10.7	4966006627602	14
CT810		65	175	43	129	100	0.098	17.1	4966006627633	15
CT830		106	200	50	175	40	0.057	10.4	4580193650030	15
Digital Pedometer										
TW600-BLACK		165	77	20	72	100	0.037	9.0	4580193650542	16
TW600-BLUE		165	77	20	72	100	0.037	9.0	4580193650535	16
TW600-RED		165	77	20	72	100	0.037	9.0	4580193650528	16
TW600-WHITE		165	77	20	72	100	0.037	9.0	4580193650511	16
Nebulizer										
CUN60-CE		175	175	120	1300	10	0.046	13.6	4966006689211	18
CUN60-120V		175	175	120	1250	10	0.046	13.1	4966006708158	18

