

HEALTHCARE PRODUCTS

CITIZEN HEALTHCARE PRODUCTS

Nebulizer



Digital Blood Pressure Monitor



Digital Thermometer



Digital Body Scale

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.

Connecting personal health data with doctors
We have introduced evolutionary advanced healthcare systems.

Lifestyle related diseases that typically show no external symptoms and often lead to further
complications, such as heart failure and stroke, have been on the rise.
Therefore, it is crucial to undergo periodic health examinations at medical institutions as well as
carryout daily health checks at home, as this increases the possibility of an early diagnosis.
To facilitate the latter and to support a healthy lifestyle, Citizen Systems supplies topnotch user-friendly
healthcare products, such as digital blood pressure monitors and thermometers.



Digital Blood Pressure Monitor

Digital Thermometer

Digital Body Scale

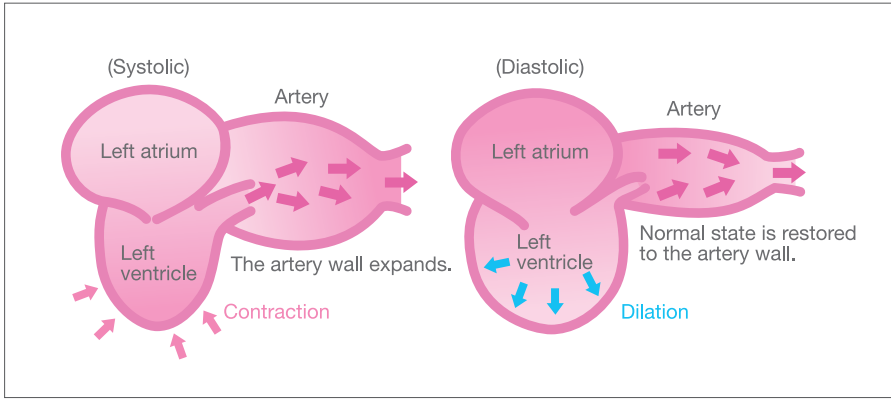
Nebulizer

Model Index

Digital Blood Pressure Monitor

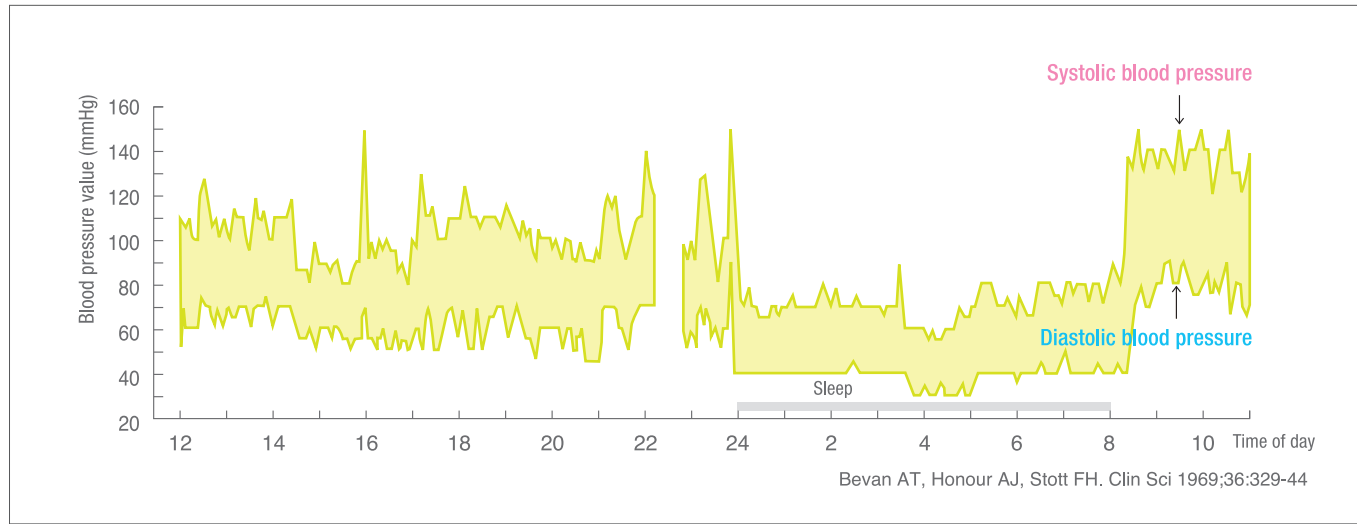
What is blood pressure?

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.

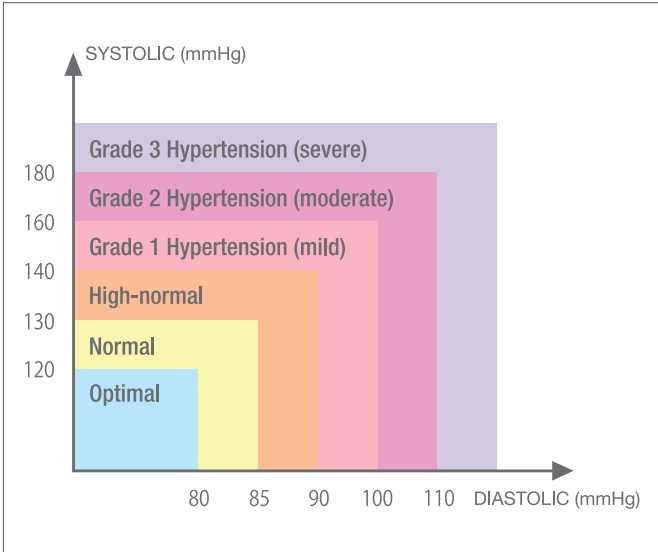
Your blood pressure differs according to your age, gender and a range of other factors. It is likely to be affected by your biorythm during the day and by your posture, physical activities, mental activities, level of stress and even by the air temperature. The blood pressure of a healthy person generally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



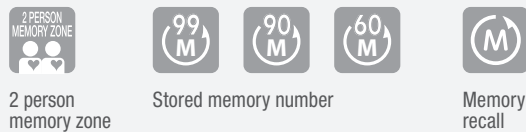
Function mark explanation (Blood Pressure Monitor)

Measurement Method Measurement Point



Main Features

Memory Function



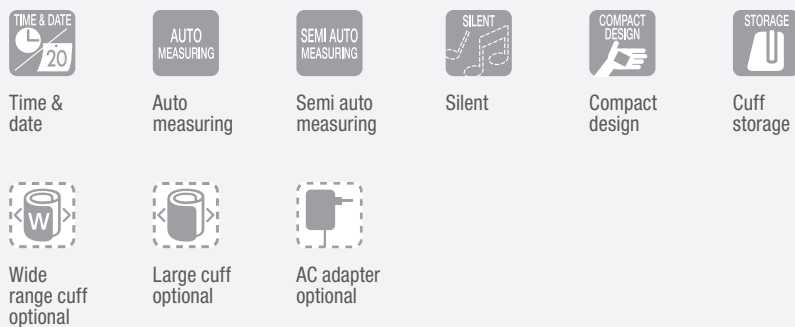
Average Memory



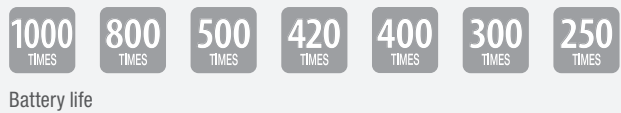
Markings



Other Specifications



Battery Life



Accessories



How to operate

CH456、CHU503、CHUG330、CHU306、CHUD514/517、CH453、CH452、CHU304/305



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.

STYLISH BLACK

Only available in select markets.



CH453



CH657

Limited Edition



CH453



- Irregular heart beat indicator
- Body movement indicator
- 90 memory
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off
- Simultaneous blood pressure and pulse reading
- Large cuff is optional



CH452



- 90 memory
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off
- Large cuff is optional



CH657



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



CH650



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

Digital Blood Pressure Monitor

Upper arm/ Full automatic Type



CE
2797

CH456

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 $\times 4$ Optional AC/DC adapter (DC 6V, 0.6A)
Battery life	Manganese battery : Approx. 150 times Alkaline battery : Approx. 500 times
Rated voltage	DC6V $\dashv$ 3W ($\dashv$: Direct Current)
Outside dimensions	W105 $\times$ H166 $\times$ D122 mm
Weight	Unit : Approx. 390g (without batteries) Cuff : Approx. 130g

- Hypertension indicator
- Irregular heartbeat indicator
- Body movement indicator
- 90 memory
- Average of last 3 readings
- Easy to read LCD display
- Cuff storage holder
- Automatic power off
- Simultaneous blood pressure and pulse reading
- Time and date

Optional parts

- Large cuff (32.0 - 42.0 cm)
- AC adapter

CE
2797

CHU503

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 $\times 4$ Optional AC/DC adapter (DC 6V, 0.6A)
Battery life	Manganese battery : Approx. 150 times Alkaline battery : Approx. 500 times
Rated voltage	DC6V $\rightleftharpoons$ 3W ($\rightleftharpoons$: Direct Current)
Outside dimensions	W145 $\times$ H76 $\times$ D96 mm
Weight	Unit : Approx. 290g (without batteries) Cuff : Approx. 130g

- Hypertension indicator
- Irregular heartbeat indicator
- Body movement indicator
- 90 memory
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off
- Simultaneous blood pressure and pulse reading
- Time and date

Optional parts

- Large cuff (32.0 - 42.0 cm)
- AC adapter

CE
2797

CHUG330

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×4 Optional AC/DC adapter (DC 6V, 0.7A)
Battery life	Manganese battery : Approx. 150 times Alkaline battery : Approx. 300 times
Rated voltage	DC6V $\rightleftharpoons$ 3W ($\rightleftharpoons$: Direct Current)
Outside dimensions	W110×H47×D104 mm
Weight	Unit : Approx. 210g (without batteries) Cuff : Approx. 130g

- Hypertension Indicator
- Irregular heartbeat indicator
- Body movement indicator
- 60 memory
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off
- Simultaneous blood pressure and plues reading
- Time and date

Optional parts

- Large cuff (32.0 - 42.0 cm)
- AC adapter



CE
2797

CHU306

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×4
Battery life	Manganese battery : Approx. 150 times Alkaline battery : Approx. 300 times
Rated voltage	DC6V $\dashv$ 3W ($\dashv$: Direct Current)
Outside dimensions	W110 × H47 × D104 mm
Weight	Unit : Apporx. 210g (without batteries) Cuff : Apporx. 130g

- Irregular heartbeat indicator
- Body movement indicator
- 90 memory
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off
- Simultaneous blood pressure and pluses reading

Optional parts

- Large cuff (32.0 - 42.0 cm)

Digital Blood Pressure Monitor
Upper arm/ Full automatic Type



ESH



CHUD514
CHUD517

Measurement system	Oscillometric method
Measurement range	Pressure : 0 - 300 mmHg Pulse : 40 - 180 pulse/min Pressure : ±3 mmHg Pulse : ±5 %
Accuracy	
Power source	AA size×4
Battery life	Alkaline battery : Approx. 420 times
Outside dimensions	W118×H62×D137 mm
Weight	Unit : Approx. 305g (without batteries) Cuff : CHUD514 Approx. 128g CHUD517 Approx. 130g

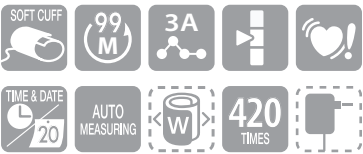
- Hypertension indicator
- Irregular heartbeat indicator
- 99 memory
- Average of last 3 readings
- Time and date
- Easy to read LCD display
- Automatic power off
- ESH validated
- Simultaneous blood pressure and pulse reading

- Optional parts
- Wide range cuff (22.0 - 42.0 cm)
 - AC adapter

- CHUD517
- Comes with Wide range cuff



Wide range cuff (SCW-009)



ESH



CHU304
CHU305

Measurement system	Oscillometric method
Measurement range	Pressure : 0 - 300 mmHg Pulse : 40 - 180 pulse/min Pressure : ±3 mmHg Pulse : ±5 %
Accuracy	
Power source	AA size×4
Battery life	Alkaline battery : Approx. 800 times
Outside dimensions	W138×H48×D98 mm
Weight	Unit : Approx. 209g (without batteries) Cuff : CHU304 Approx. 128g CHU305 Approx. 130g

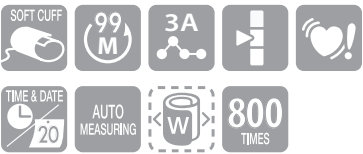
- Hypertension indicator
- Irregular heartbeat indicator
- 99 memory
- Average of last 3 readings
- Time and date
- Easy to read LCD display
- Automatic power off
- ESH validated

- Optional parts
- Wide range cuff (22.0 - 42.0 cm)

- CHU305
- Comes with Wide range cuff



Wide range cuff (SCW-009)



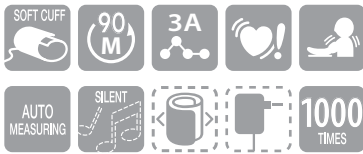
CH453
CH453AC

STYLISH BLACK

Measurement system	Oscillometric method
Measurement range	Pressure : 0 - 280 mmHg Pulse : 40 - 180 pulse/min Pressure : ±3 mmHg Pulse : ±5 %
Accuracy	
Power source	AA size×4 Optional AC/DC adapter (DC 6V, 0.7A)
Battery life	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

- Irregular heartbeat indicator
- Body movement indicator
- 90 memory
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off
- Simultaneous blood pressure and pulse reading

- Optional parts
- Large cuff
 - AC adapter (Only for CH453AC)



CH453 / CH453AC

CH453



ESH



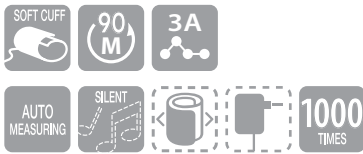
CH452
CH452AC

STYLISH BLACK

Measurement system	Oscillometric method
Measurement range	Pressure : 0 - 280 mmHg Pulse : 40 - 180 pulse/min Pressure : ±3 mmHg Pulse : ±5 %
Accuracy	
Power source	AA size×4
Battery life	Manganese battery : Approx. 300 times Alkaline battery : Approx. 1000 times
Rated voltage	DC6V --- 3W (--- : Direct Current)
Outside dimensions	W110×H47×D104 mm
Weight	Unit : Approx. 210g (without batteries) Cuff : Approx. 130g

- 90 memory
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off
- ESH validated

- Optional parts
- Large cuff
 - AC adapter (Only for CH452AC)



CH452 / CH452AC

CH452

Digital Blood Pressure Monitor
Wrist/ Full automatic Type



Handy and slim design



CH657

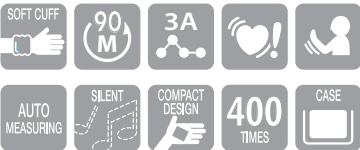
STYLISH BLACK

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 $\times 2$
Battery life Alkaline battery : Approx. 400 times
Rated voltage DC3V $\equiv$ 3W ($\equiv$: Direct Current)
Outside dimensions W69 $\times$ H70 $\times$ D15 mm
Weight Approx. 86g (without batteries)

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



With compact storage case



CH650

STYLISH BLACK

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 $\times 2$
Battery life Alkaline battery : Approx. 400 times
Rated voltage DC3V $\equiv$ 3W ($\equiv$: Direct Current)
Outside dimensions W65 $\times$ H74 $\times$ D29 mm
Weight Approx. 103g (without batteries)

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



With storage case



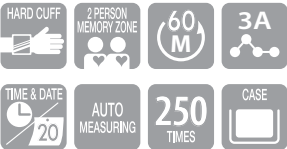
BIHS



CH618

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 $\times 2$
Battery life Alkaline battery : Approx. 250 times
Rated voltage DC3V $\equiv$ 3W ($\equiv$: Direct Current)
Outside dimensions W70 $\times$ H72 $\times$ D29.5 mm
Weight Approx. 127g (without batteries)

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



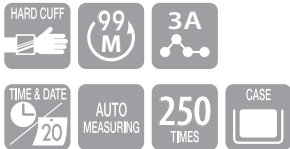
BIHS



CH617

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 $\times 2$
Battery life Alkaline battery : Approx. 250 times
Rated voltage DC3V $\equiv$ 3W ($\equiv$: Direct Current)
Outside dimensions W70 $\times$ H72 $\times$ D29.5 mm
Weight Approx. 121g (without batteries)

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



Digital Blood Pressure Monitor

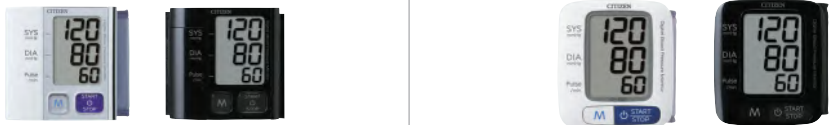
Upper arm / Full automatic



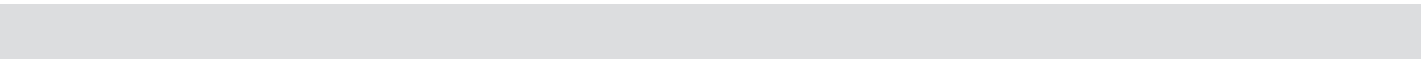
MODEL	CH456	CHU503	CHUG330	CHU306
Outside dimensions	105 × 166 × 122 mm	110 × 47 × 104 mm	110 × 47 × 104 mm	110 × 47 × 104 mm
Weight (without batteries)	Unit: Approx. 390 g Cuff: Approx. 130 g	Unit: Approx. 290 g Cuff: Approx. 130 g	Unit: Approx. 210g Soft cuff: Apporx. 130g	Unit: Approx. 210g Soft cuff: Apporx. 130g
Cuff	Soft cuff (22.0 - 32.0cm)	Soft cuff (22.0 - 32.0cm)	Soft cuff (22.0 - 32.0 cm)	Soft cuff (22.0 - 32.0 cm)
Memory	90 memory	90 memory	60 memory	90 memory
Average	Last 3 readings	Last 3 readings	Last 3 readings	Last 3 readings
Irregular heartbeat indicator	●	●	●	●
Body movement indicator	●	●	●	●
Hypertension indicator	●	●	●	—
Display simultaneously	●	●	●	●
Auto measuring	●	●	●	●
Auto power off	●	●	●	●
Time & Date	●	●	●	—
Battery life	500 times	500 times	300 times	300 times
Power source	AA size × 4	AA size × 4	AAA size × 4	AAA size × 4
Option (Large cuff:32.0 - 42.0cm)	●	●	●	●
Option (Wide range cuff:22.0 - 42.0cm)	—	—	—	—
Option (AC/DC adapter)	●	●	●	—
Silent	●	●	●	●
Page	P.6	P.6	P.7	P.7

X: Large cuff and wide range cuff are available in gray only.

Wrist / Full automatic



MODEL	CH657	CH650
Outside dimensions	69 × 70 × 15 mm	65 × 74 × 29 mm
Weight (without batteries)	Approx. 86 g	Approx. 103 g
Cuff (13.5 - 21.5cm)	Soft cuff	Hard cuff
Memory	90 memory	60 memory
Average	Last 3 readings	Last 3 readings
Irregular heartbeat indicator	●	●
Body movement indicator	●	●
Display simultaneously	●	●
Auto measuring	●	●
Auto power off	●	●
Time & Date	—	—
Battery life	400 times	400 times
Power source	AAA size × 2	AAA size × 2
Case	●	●
Page	P.10	P.11



MODEL	CHUD514/517	CHU304/305	CH453/453AC	CH452/452AC
Outside dimensions	118 × 62 × 137 mm	138 × 48 × 98 mm	130 × 53 × 118 mm	129 × 55 × 119 mm
Weight (without batteries)	Unit: Approx. 305 g Soft cuff: Approx. 128 g Wide range cuff: Approx. 130 g	Unit: Approx. 209 g Soft cuff: Approx. 128 g Wide range cuff: Approx. 130 g	Unit: Approx. 240 g Cuff: Approx. 130 g	Unit: Approx. 240 g Cuff: Approx. 130 g
Cuff	CHUD514 : Soft cuff (22.0 - 30.0cm) CHUD517 : Wide range cuff (22.0 - 42.0cm)	CHU304 : Soft cuff (22.0 - 30.0cm) CHU305 : Wide range cuff (22.0 - 42.0cm)	Soft cuff (22.0 - 32.0cm)	Soft cuff (22.0 - 32.0cm)
Memory	99 memory	99 memory	90 memory	90 memory
Average	Last 3 readings	Last 3 readings	Last 3 readings	Last 3 readings
Irregular heartbeat indicator	●	●	●	—
Body movement indicator	—	—	●	—
Hypertension indicator	●	●	—	—
Display simultaneously	●	—	●	—
Auto measuring	●	●	●	●
Auto power off	●	●	●	●
Time & Date	●	●	—	—
Battery life	420 times	800 times	1,000 times	1,000 times
Power source	AA size × 4	AA size × 4	AA size × 4	AA size × 4
Option (Large cuff:32.0 - 42.0cm)	—	—	●	●
Option (Wide range cuff:22.0 - 42.0cm)	● (CHUD514)	● (CHU304)	—	—
Option (AC/DC adapter)	●	—	CH453AC only	CH452AC only
Silent	●	●	●	●
Page	P.8	P.8	P.9	P.9

Digital Thermometer

Forehead / Ear type



Digital Thermomter CTD711

CELSIUS(°C) • FAHRENHEIT(°F)

Temperature detection method	Infrared
Measurement mode	Forehead, Ear, Objective surface, Room temperature
Measurement range	Forehead, Ear : 34.0-42.2°C (93.2-108°F) Objective surface : -22-°C80*(-7.6-°F176) Room temperature : 10-40°C (50-104°F)
Accuracy	Forehead, Ear ±0.2°C(0.4°F) : 35.0-42.0°C (95-107.6°F) ±0.3°C(0.5°F) : Other than above range Objective surface ±0.3°C(0.5°F) : 22.0-42.2°C (71.6-108°F) ±4% or ±2°C(4°F) : Other than above range Room temperature ±1C (2°F)
Battery	DC3V (Lithuim Battery : CR2032×1)
Battery life	Apprx. 2,800times(CTD711)
Outside dimensions	Approx. W45×H106×D61.2 mm
Weight	Approx. 63g (including battery)

- Approx. 1 second measurement
- 4 measurement mode
- No probe cover needed
- With back light function (CTD711 only)
- Fever alert
- 9 sets memory
- Automatic power off
- Remaining battery level
- Selectable °C/°F



With back light (CTD711)



Digital Thermomter CTD710

CELSIUS(°C) • FAHRENHEIT(°F)

CTD710-LA CELSIUS(°C)

Temperature detection method	Infrared
Measurement mode	Forehead, Ear, Objective surface, Room temperature
Measurement range	Forehead, Ear : 34.0-42.2°C (93.2-108°F) Objective surface : -22-°C80*(-7.6-°F176) Room temperature : 10-40°C (50-104°F)
Accuracy	Forehead, Ear ±0.2°C(0.4°F) : 35.0-42.0°C (95-107.6°F) ±0.3°C(0.5°F) : Other than above range Objective surface ±0.3°C(0.5°F) : 22.0-42.2°C (71.6-108°F) ±4% or ±2°C(4°F) : Other than above range Room temperature ±1C (2°F)
Battery	DC3V (Lithuim Battery : CR2032×1)
Battery life	Apprx. 3,000times
Outside dimensions	Approx. W45×H106×D61.2 mm
Weight	Approx. 63g (including battery)

- Approx. 1 second measurement
- 4 measurement mode
- No probe cover needed
- Fever alert
- 9 sets memory
- Automatic power off
- Remaining battery level
- Selectable °C/°F (CTD710 only)

User Friendly design for proper measurement

Design Concept

This device is designed to be held with ease. The scan button is on the top of the device so that it is easy to control the angle while taking measurements.



4 measurement mode



Notify measurement mode by flashing icon



Ear mode
Measurement time: Approx. 1 second
Measurement range: +34°C~ +42.2°C



Forehead mode
Measurement time: Approx. 1 second
Measurement range: +34°C~ +42.2°C



Surface mode
Measurement time: Approx. 1 second
Measurement range: -22°C~ +80°C



Temperature mode
Measurement range: +10°C~ +40°C



Switch position
It is easy to push the top

Suitable height
106mm
Fit into palm

Grip

Performing proper measurements

For accurate measurements, it is important to straighten the ear canal and direct the tip of the probe straight toward the eardrum.



Function mark explanation (Thermometer)

Celsius/ Fahrenheit



Celsius



Selectable °C/°F

Measurement Method Measurement Point



Forehead mode



Ear mode



Surface mode



Temperature mode

Main Features and Specifications



Display



Water resistant



Anti bacterial material



Back light

Memory and Notification



9 memory



12 memory



Memory recall



Beep sound



Prove cover is not necessarily



Measuring Speed



Fever alert

Battery Life (Approximate Value)



3000 TIMES



2800 TIMES



1500 TIMES



1000 TIMES



2 YEARS

Battery life

Accessories



Case



Case

Digital Thermometer

Ear type

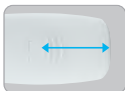


Digital Thermometer CTD505

CELSIUS(°C)

Measurement range 34.0 °C - 43.0 °C
Accuracy Celsius:±0.2 °C (35.5 - 42.0 °C)
Other range:±0.3 °C
Display 3digit with decimal point , °C,
Low Battery Symbol mark,
Too High Ambient Temperature mark,
Too Low Ambient Temperature mark,
Ready to Use Symbol mark,
Memory Mode Symbol mark.
Battery DC3V (Lithium Battery : CR2032×1)
Battery life 1,000 times
Outside dimensions Approx. W39×L120×D52 mm
Weight Approx. 68.6g (including battery)

- Fever alert
- Antibacterial Ear Thermometer
- No need to use probe cover
- 1 - 3 second measurment
- 12 memory
- Celsius only
- Auto power off



Easy-to-replace battery

Fever alert

Lower than 37.5 °C :
LED turns **Green**



37.5 °C or higher :
LED turns **Red**



Digital Thermometer CTD504

CELSIUS(°C) • FAHRENHEIT(°F)

Measurement range 34.0 °C - 43.0 °C(93.2 °F - 109.4 °F)
Accuracy Celsius:±0.2 °C(35.5 - 42.0 °C)
Fahrenheit:±0.4 °F(95.9 - 107.6 °F)
Other range:±0.3 °C(±0.5 °F)
Display 3digit with decimal point , °C, °F,
Low Battery Symbol mark,
Too High Ambient Temperature mark,
Too Low Ambient Temperature mark,
Ready to Use Symbol mark,
Memory Mode Symbol mark.
Battery DC3V (Lithium Battery : CR2032×1)
Battery life 1,500 times
Outside dimensions Approx. W39×L120×D52 mm
Weight Approx. 68.6g (including battery)

- Fever alert (beep only)
- Antibacterial Ear Thermometer
- No need to use probe cover
- 1 - 3 second measurment
- 12 memory
- Selectable °C/°F
- Auto power off



Basics of Ear Thermometers

How the ear thermometer works

Every object radiates heat. The CTD504 and CTD505 have an infrared sensor built into the probe. It detects heat radiated from the eardrum and its surroundings to measure body temperature.



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

Performing proper measurements

For accurate measurements, it is important to straighten the ear canal and direct the tip of the probe straight toward the eardrum.



Stick type



Digital Thermometer CTA301

CELSIUS(°C) • FAHRENHEIT(°F)

Measurement method Temperature peak hold thermometer
Measurement range 32.0 °C - 42.9 °C (90.0 °F - 109.9 °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. 2 years (If used 10 minutes a day)
Outside dimensions Approx. W19×L126.7×D11.2 mm
Weight Approx. 9.7g (including battery)

- Selectable °C/°F
- General purpose use
- Auto memory recall of last reading
- Beep sound
- 3 digits display
- Auto power off



Digital Thermometer CTA302

CELSIUS(°C) • FAHRENHEIT(°F)

Measurement method Temperature peak hold thermometer
Measurement range 32.0 °C - 42.9 °C (90.0 °F - 109.9 °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. 2 years (If used 10 minutes a day)
Outside dimensions Approx. W19×L126.7×D11.2 mm
Weight Approx. 9.7g (including battery)

- Selectable °C/°F
- General purpose use
- Water resistant & fully washable
- Auto memory recall of last reading
- Beep sound
- 3 digits display
- Auto power off



Digital Thermometer CTA303

CELSIUS(°C) • FAHRENHEIT(°F)

Measurement method Temperature peak hold thermometer
Measurement range 32.0 °C - 42.9 °C (90.0 °F - 109.9 °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. 2 years (If used 10 minutes a day)
Outside dimensions Approx. W19×L126.7×D11.2 mm
Weight Approx. 10.2g (including battery)

- Selectable °C/°F
- General purpose use
- Water resistant & fully washable
- Auto memory recall of last reading
- Beep sound
- 3 digits display
- Auto power off
- Antibacterial Thermometer



Digital Thermometer

Digital Thermometer (Stick Type)

				
MODEL	CTA301	CTA302	CTA303	
Unit Size	19 × 126.7 × 11.2 mm	19 × 126.7 × 11.2 mm	19 × 126.7 × 11.2 mm	
Weight (including battery)	Approx. 9.7g	Approx. 9.7g	Approx. 9.7g	
Display	3 digits	3 digits	3 digits	
Anti bacterial	—	—	●	
Water resistant	—	●	●	
Buzzer	●	●	●	
Auto power off	●	●	●	
Memory	Memory recall	Memory recall	Memory recall	
Battery life	2 years	2 years	2 years	
Power source	LR41 × 1	LR41 × 1	LR41 × 1	

Digital Thermometer Forehead / Ear, Ear Type)

						
MODEL	CTD711	CTD710	CTD710-LA	CTD505	CTD504	
Unit Size	45 × 106 × 61.2 mm	45 × 106 × 61.2 mm	45 × 106 × 61.2 mm	39 × 120 × 52 mm	39 × 120 × 52 mm	
Weight (including battery)	Approx. 63g	Approx. 63g	Approx. 63g	Approx. 68.6g	Approx. 68.6g	
Display	3 digits	3 digits	3 digits	3 digits	3 digits	
Measurement mode	4	4	4	1	1	
Ear	●	●	●	●	●	
Forehead	●	●	●	—	—	
Objective surface	●	●	●	—	—	
Room tempurture	●	●	●	—	—	
Measurement unit	Celsius / Fahrenheit	Celsius / Fahrenheit	Celsius only	Celsius only	Celsius / Fahrenheit	
Anti bacterial	—	—	—	●	●	
Water resistant	●	●	●	IP21	IP21	
Buzzer	●	●	●	●	●	
Auto power off	●	●	●	●	●	
Memory	9 memory	9 memory	9 memory	12 memory	12 memory	
Battery life	2,800 times	3,000 times	3,000 times	1,000 times	1,500 times	
Power source	CR2032 × 1	CR2032 × 1	CR2032 × 1	CR2032 × 1	CR2032 × 1	
Carrying case	● (Probe cover)	● (Probe cover)	● (Probe cover)	●	●	

Digital Body Scale



HMS324

Measurement range	KG:5 - 150kg / LB:11lb - 330lb / ST:11lb - 23st 8lb
Accuracy	±(1%+1D)D=100g (5kg - 150kg)
Battery	DC3V battery(CR2032)
Battery life	335days
Outside dimensions	280 × 270× 22 mm
Weight	1.05kg

- Quick and easy measurement
- Slim design with high-hardness glass
- Long battery life
- Comparable with previous measurement result
- Unit of weight selection



Function mark explanation (Digital Body Scale)

Main Features and Specifications



Auto power off



Selectable KG / LB / ST



Slim and hard glass

Memory Function



Comparable with Previous measurement result

Battery Life

(Approximate Value)



Battery life

Digital Body Scale

		
MODEL	HMS324-CN-WH	HMS324-CN-BK
Dimensions	280 × 270 × 22 mm	
Weight (including battery)	Approx. 1.05 kg	
Power source	DC V battery (CR2032)	
Battery Life	Approx. 1000 times	
Weight of unit (selectable)	KG (Kilogram) LB (Pound), ST (stone)	
Weight range	KG : 5 - 150 kg / LB : 11 lb - 330 lb / ST : 11 lb - 23st 8lb	
Minimum display unit	KG : 01 kg / LB : 0.2 lb / ST : 0.2lb	
Accuracy	± (1%+1D)D = 100g (5kg - 150kg)	
Operating temperature and humidity	5 ° C - 35 ° C / 30%RH - 85%RH	
Storage temperature and humidity	-20 ° C - 60 ° C / 10%RH - 95%RH	
Glass thickness	5 mm	
Auto power off	●	
Accessories	Instruction manual, a battery (CR2032) for monitor	

Nebulizer
Compressor Type



GC806

Operating Frequency 20 min on / 40 min off
Nebulization rate 0.35 ml/m
Particle size (MMAD) 3.07 μm
Medication cup capactcity 8 ml
Auto shut-off timer 20 min
Noise level 52 dBA
Dimensions 130×130×117 mm
Weight Apporx. 1.5Kg



MODEL	GC806-EU	GC806-MX	GC806-SA	GC806-ME
Rating	230V 50Hz	120V 60Hz	230V 50Hz	220V 60Hz
Plug	Type C	Type A	Type BF	Type BF
Nebulization Rate	0.35 ml/m			
Particle size (MMAD)	3.07 μ m			
Max Pressure	2.2 Bar			
Flow	5.31 l/min			
Max. Filling	8 ml			
Min. Filling	2 ml			
Aerosol output	0.11 ml			
Aerosol output rate	0.07 ml/m			
Noise Level	52 dBA (average)			

Nebulizer Accessory kit. AT-GC202

Accessory kits including

- 1.Nebulizer
- 2.Mouthpiece
- 3.Air tube
- 4.Adult mask
- 5.Pediatric mask
- 6.Spare air filters (5pcs)
- 7.Nosepiece



Model Index

Digital Blood Pressure Monitor/Option

Model No.	Gift Box Size				Master Carton			Jan Code	Page
	Dimension(L×W×Hmm)			Weight (g)	Packed Q'TY	M3	Kg		
CH456	130	112	185	788	20	0.073	17.0	4580193650900	6
CHU503	110	165	120	687	20	0.060	14.9	4580193651334	6
CHUG330	80	120	167	483	20	0.042	10.5	4580193651631	7
CHUG306	80	120	167	473	20	0.042	10.4	4580193651648	7
CHUD514	125	110	162	605	10	0.0334	6.7	4580193651495	8
CHUD517	125	110	162	615	10	0.0334	6.8	4580193651501	8
CH453/CH453AC	165	130	90	607	20	0.050	13.7	4580193650634	9
CH453 STYLISH BLACK	165	130	90	607	10	0.027	7.1	4580193651297	9
CH452/CH452AC	165	130	90	601	20	0.050	13.0	4580193650603	9
CH452 STYLISH BLACK	165	130	90	601	10	0.027	7.1	4580193651280	9
CHU304	180	120	90	665	20	0.054	14.1	4580193651433	8
CHU305	180	120	90	675	20	0.054	14.3	4580193651440	8
CH657	94	54	133	276	20	0.020	6.4	4580193651310	10
CH657 STYLISH BLACK	94	54	133	276	40	0.038	12.0	4580193650627	10
CH650	98	91	135	302	20	0.035	8.0	4580193651303	11
CH650 STYLISH BLACK	98	91	135	302	40	0.063	13.2	4580193650702	11
CH618	104	90	110	312	20	0.030	6.9	4580193650887	10
CH617	104	90	110	305	20	0.030	6.7	4580193650870	11
AC230CZ	88	80	35	75	50	0.020	4.1	4580193651525	-

Digital Thermometer

Model No.	Gift Box Size				Master Carton			Jan Code	Page
	Dimension(L×W×Hmm)			Weight (g)	Packed Q'TY	M3	Kg		
CTA301	40	170	20	24	200	0.044	6.6	4580193651259	17
CTA302	40	170	20	24	200	0.044	6.6	4580193651266	17
CTA303	40	170	20	25	200	0.044	6.7	4580193651273	17
CTD504	88	62	158	228	40	0.044	9.8	4580193651242	16
CTD505	88	62	158	228	40	0.044	9.8	4580193651396	16
CTD710	73	93	132	164	40	0.047	7.5	4580193651549	14
CTD710-LA	73	93	132	150	40	0.047	6.8	4580193651679	14
CTD711	73	93	132	164	40	0.047	7.5	4580193651532	14

Digital Body Scale

Model No.	Gift Box Size				Master Carton			Jan Code	Page
	Dimension(L×W×Hmm)			Weight (g)	Packed Q'TY	M3	Kg		
HMS324	280	270	22	1050	6	0.023	8	4580193651693	19
HMS324	280	270	22	1050	6	0.023	8	4580193651709	19

Nebulizer

Model No.	Gift Box Size				Master Carton			Jan Code	Page
	Dimension(L×W×Hmm)			Weight (g)	Packed Q'TY	M3	Kg		
GC806-EU	130	130	117	1500	4	0.020	7	4580193651556	20
GC806-ME	130	130	117	1500	4	0.020	7	4580193651563	20
GC806-MX	130	130	117	1500	4	0.020	7	4508193651587	20
GC806-SA	130	130	117	1500	4	0.020	7	4580193651570	20