CITIZEN

HEALTHCARE PRODUCTS

Digital Blood Pressure Monitor

Digital Thermometer

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 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.
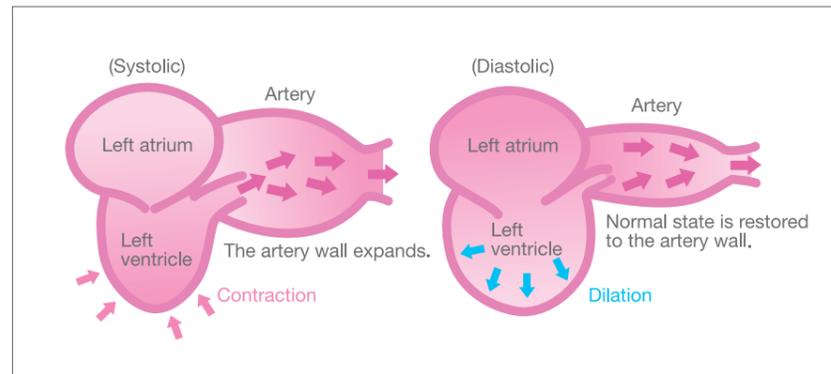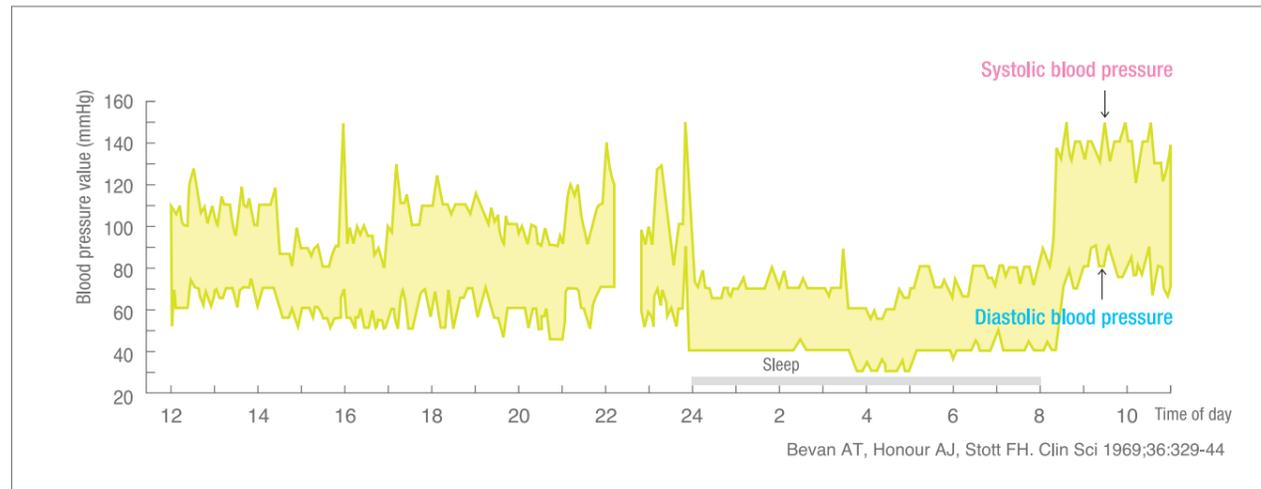
Digital Blood Pressure Monitor

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.
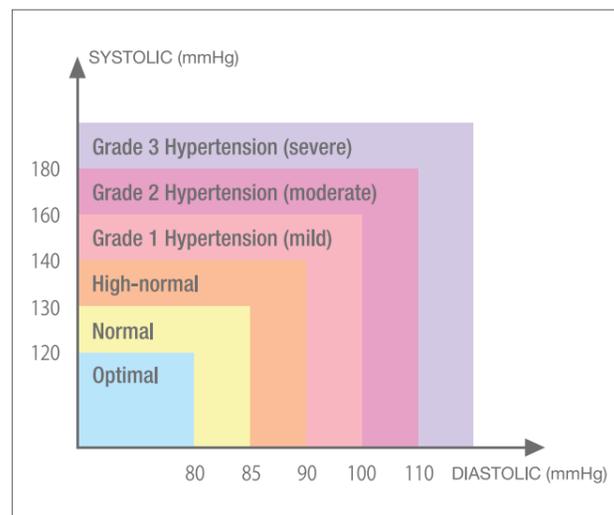
Blood pressure value (mmHg)

Systolic blood pressure
Diastolic blood pressure
Sleep
Time of day
Bevan AT, Honour AJ, Stott FH. Clin Sci 1969;36:329-44

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]

SYSTOLIC (mmHg)

180	Grade 3 Hypertension (severe)
160	Grade 2 Hypertension (moderate)
140	Grade 1 Hypertension (mild)
130	High-normal
120	Normal
	Optimal

80 85 90 100 110 DIASTOLIC (mmHg)

Function mark explanation

Measurement Method / Measurement Point

SOFT CUFF	SOFT CUFF	HARD CUFF
Soft cuff	Soft cuff	Hard cuff

Main Features

Memory Function

2 PERSON MEMORY ZONE	99 M	90 M	60 M	M
2 person memory zone	Stored memory number			Memory recall

Average Memory

3A
Last 3 readings average

Markings

Hypertension indicator	Irregular heartbeat indicator	Body movement indicator

Other Specifications

TIME & DATE 20	AUTO MEASURING	SEMI AUTO MEASURING	SILENT	COMPACT DESIGN	STORAGE
Time & date	Auto measuring	Semi auto measuring	Silent	Compact design	Cuff storage

W		AC adapter
Wide range cuff	Large cuff	AC adapter optional

Battery Life

1000 TIMES	800 TIMES	500 TIMES	400 TIMES	250 TIMES

Battery life

Accessories

CASE
Carring case

How to operate   CHU503、CH-456、CH-453、CH-452、CHU304、CHU305

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

CH-453

CH-657

Limited Edition

CH-453

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

CH-452

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

CH-657

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

CH-650

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

CH-456
CE 0086

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 (DC 6V, 0.6A)
Battery life	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

▌ 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
▌ Large cuff is optional
▌ AC adapter is optional (AC-230CZ)

SOFT CUFF | 90 M | 3A | | |
TIME & DATE 20 | AUTO MEASURING | SILENT | STORAGE | | 500 TIMES

CH-453
CE 0086

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 (DC 6V, 0.6A)
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
▌ Large cuff is optional
▌ AC adapter is optional (AC-230CZ)

SOFT CUFF | 90 M | 3A | |
AUTO MEASURING | SILENT | | | 1000 TIMES

CHU503
CE 0086

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 (DC 6V, 0.6A)
Battery life	Manganese battery : Approx. 150 times
	Alkaline battery : Approx. 500 times
Rated voltage	DC6V 3W (: Direct Current)
Outside dimensions	W145×H76×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
▌ Large cuff is optional
▌ AC adapter is optional (AC-230CZ)

SOFT CUFF | 90 M | 3A | | |
TIME & DATE 20 | AUTO MEASURING | SILENT | | | 500 TIMES

CH-452
ESH CE 0086

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 (DC 6V, 0.6A)
Battery life	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

▌ 90 memory
▌ Average of last 3 readings
▌ Easy to read LCD display
▌ Automatic power off
▌ ESH validated
▌ Large cuff is optional
▌ AC adapter is optional (AC-230CZ)

SOFT CUFF | 90 M | 3A
AUTO MEASURING | SILENT | | | 1000 TIMES

Digital Blood Pressure Monitor

Upper arm/ Full automatic

ESH CE 0086

CHU304
CHU305

Measurement system	Oscillometric method
Measurement range	Pressure : 0 - 300 mmHg
	Pulse : 40 - 180 pulse/min
Accuracy	Pressure : ±3 mmHg
	Pulse : ±5 %
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 : Approx. 128g

▌ 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
▌ Wide range cuff is optional

CHU305
▌ Comes with Wide range cuff
  Arm size 22.0 - 42.0 cm

Wide range cuff (SCW-009)

SOFT CUFF 99 M 3A TIME & DATE 20 AUTO MEASURING W 800 TIMES

Upper arm/ Semi automatic

CE 0086

CH-308B

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

▌ Memory recall function
▌ Large button
▌ Automatic power off

SOFT CUFF M SEMI AUTO MEASURING 1000 TIMES

Upper arm/ Full automatic

Only available in select markets.

CH-453

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	AA size×4
	Optional AC/DC adapter (DC 6V, 0.6A)
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
▌ Large cuff is optional

SOFT CUFF 90 M 3A AUTO MEASURING SILENT 1000 TIMES

Only available in select markets.

CH-452

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	AA size×4
	Optional AC/DC adapter (DC 6V, 0.6A)
Battery life	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

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

SOFT CUFF 90 M 3A AUTO MEASURING SILENT 1000 TIMES

Digital Blood Pressure Monitor

Wrist/ Full automatic

Only available in select markets.

CH-657 `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×2
Battery life	Alkaline battery : Approx. 400 times
Rated voltage	DC3V ⎓ 3W (⎓ : Direct Current)
Outside dimensions	W69×H70×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

CH-657 CE 0086

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 ⎓ 3W (⎓ : Direct Current)
Outside dimensions	W69×H70×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

Only available in select markets.

CH-650 `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×2
Battery life	Alkaline battery : Approx. 400 times
Rated voltage	DC3V ⎓ 3W (⎓ : Direct Current)
Outside dimensions	W65×H74×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

CH-650 CE 0086

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 ⎓ 3W (⎓ : Direct Current)
Outside dimensions	W65×H74×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

CH-618 `BHS` CE 0197

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)

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

CH-617 `BHS` CE 0197

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. 121g (without batteries)

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

Digital Blood Pressure Monitor

Upper arm / Full automatic

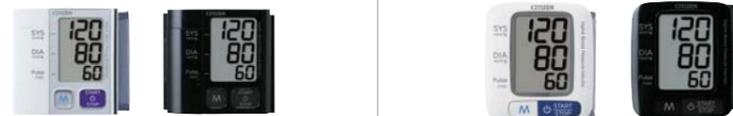| MODEL	CH-456	CHU503	CH-453
Outside dimensions	105 × 166 × 122 mm	145 × 76 × 96 mm	130 × 53 × 118 mm
Weight (without batteries)	Unit: Approx. 390 g Cuff: Approx. 130 g	Unit: Approx. 290 g Cuff: Approx. 130 g	Unit: Approx. 240 g Cuff: Approx. 130 g
Cuff	Soft cuff (22.0 - 32.0cm)	Soft cuff (22.0 - 32.0cm)	Soft cuff (22.0 - 32.0cm)
Memory	90 memory	90 memory	90 memory
Average	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	1,000 times
Power source	AA size × 4	AA size × 4	AA size × 4
Option (Large cuff:32.0 - 42.0cm^X)	●	●	●
Option (Wide range cuff:22.0 - 42.0cm^X)	—	—	—
Option (AC/DC adapter)	●	●	White model only
Silent	●	●	●
Page	P.6	P.6	P.7/P.9

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

Upper arm / Semi automatic

MODEL	CH-452	CHU304/305	CH-308B
Outside dimensions	129 × 55 × 119 mm	138 × 48 × 98 mm	123 × 44 × 95 mm
Weight (without batteries)	Unit: Approx. 240 g Cuff: Approx. 130 g	Unit: Approx. 209 g Soft cuff: Approx. 128 g Wide range cuff: Approx. 134 g	Unit: Approx. 120 g Cuff: Approx. 130 g Pumping bulb: Approx. 40 g
Cuff	Soft cuff (22.0 - 32.0cm)	CHU304 : Soft cuff (22.0 - 32.0cm) CHU305 : Wide range cuff (22.0 - 42.0cm)	Soft cuff (22.0 - 32.0cm)
Memory	90 memory	99 memory	Memory recall
Average	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	1,000 times	800 times	1,000 times
Power source	AA size × 4	AA size × 4	AA size × 4
Option (Large cuff:32.0 - 42.0cm^X)	●	—	—
Option (Wide range cuff:22.0 - 42.0cm^X)	—	● (CHU304)	—
Option (AC/DC adapter)	White model only	—	—
Silent	●	●	—
Page	P.7/P.9	P.8	P.8

Wrist / Full automatic

MODEL	CH-657	CH-650
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	P.10/P.11

MODEL	CH-618	CH-617
Outside dimensions	70 × 72 × 29.5 mm	70 × 72 × 29.5 mm
Weight (without batteries)	Approx. 127 g	Approx. 121 g
Cuff (13.5 - 21.5cm)	Hard cuff	Hard cuff
Memory	2 × 60 memory	99 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	250 times	250 times
Power source	AAA size × 2	AAA size × 2
Case	●	●
Page	P.10	P.11

Digital Thermometer

Function mark explanation

Celsius/Fahrenheit

℃ Celsius	℃/℉ Conversion

Measurement Method Measurement Point

EARLOBE MEASURING
Earlobe measuring

Main Features and Specifications

888 3DIGITS Display	Water resistant	Anti bacterial material

Memory and Notification

12 M 12 memory	M Memory recall	Buzzer notice	NO NEED Prove cover is not necessarily	1-3 SECOND FAST Measuring Speed	Fever alert Fever alart

Battery Life (Approximate Value)

1500 TIMES	1000 TIMES	2 YEARS

Battery life

Accessories

CASE	CASE

Case

Digital Thermometer

MODEL	CTA301	CTA302	CTA303	CTD504	CTD505
Unit size (Approx.)	19 × 126.7 × 11.2 mm	19 × 126.7 × 11.2 mm	19 × 126.7 × 11.2 mm	39 × 120 × 52 mm	39 × 120 × 52 mm
Weight (including battery)	Approx. 9.7 g	Approx. 9.7 g	Approx. 10.2 g	Approx. 68.6 g	Approx. 68.6 g
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	12 memory	12 memory
Battery life	2 years	2 years	2 years	1,500 times	1,000 times
Power source	LR41 × 1	LR41 × 1	LR41 × 1	CR2032 × 1	CR2032 × 1

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Stick type

CTA301 CELSIUS(°C) • FAHRENHEIT(°F)

CE 0434

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)

- ˚C / ˚F switching
- General purpose use
- Auto memory recall of last reading
- Buzzer notice
- 3 digits display
- Auto power off

CTA302 CELSIUS(°C) • FAHRENHEIT(°F)

CE 0434

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)

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

CTA303 CELSIUS(°C) • FAHRENHEIT(°F)

CE 0434

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)

- ˚C / ˚F switching
- General purpose use
- Water resistant & fully washable
- Auto memory recall of last reading
- Buzzer notice
- 3 digits display
- Auto power off
- Antibacterial Thermometer

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Digital Thermometer

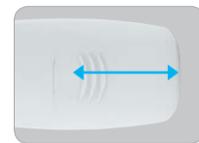## Ear type

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 (Lithuim Battery : CR2032×1)
Battery life	1,500 times
Outside dimensions	Approx. W39×L120×D52 mm
Weight	Approx. 68.6g (including battery)

▍ Antibacterial Ear Thermometer
▍ No need to use probe cover
▍ 1 - 3 second measurment
▍ 12 memory
▍ ˚C / ˚F switching
▍ Auto power off

Easy-to-replace battery

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 (Lithuim 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

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

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

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.

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.

Nebulizer

Compressor type

CE 0494 CNC501

Power	AC230V, 50Hz
Power consumption	55VA
Operating frequency	30 min On/30 min Off
Nebulization rate	0.4 ml/min
Particle size(MMAD)	2.44 µm
Medication cup capacity	8 ml (Max.)
Auto shut-off timer	Approx. 30 min
Noise level	Less than 60dBA / 1m
Dimentions	W220×H100×D170 mm
Weight	Approx. 1.34 kg

▌Reliable
▌Easy to use
▌Compact

Accessories :
Adult mask,
Pediatric mask,
Mouthpiece,
Atomizer,
Flexible tubing,
and Air filters×5 pcs

CE 0494 CNC701

Power	100-240V, 50/60Hz
Power consumption	16VA
Operating frequency	45 min On/45 min Off
Nebulization rate	0.4 ml/min
Particle size(MMAD)	2.44 µm
Medication cup capacity	8 ml (Max.)
Auto shut-off timer	Approx. 45 min
Noise level	Less than 50dBA / 1m
Dimentions	W95×H55×D135 mm
Weight	Approx. 430 g

▌Reliable
▌Easy to use
▌Compact

▌Portable
▌Comes with soft carrying case

Totally portable

Accessories :
Adult mask,
Pediatric mask,
Mouthpiece,
Atomizer,
Flexible tubing,
Air filters×5 pcs,
AC adapter,
and Soft carrying case

Ultrasonic type

CE 0434 CUN60

Power	AC220-240V, 50/60Hz
	AC100V, 50/60Hz
Power consumption	Approx. 10W
Ultrasonic frequency	2.5 MHz
Nebulization rate	3-speed adjustable
Particle size(MMAD)	5 µm
Medication cup capacity	8 ml (Max.)
Auto shut-off timer	Approx. 10 min
Dimensions	W88×H143×D53 mm
Weight	Approx. 350 g
	(including rechargeable battery-pack)

▌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
▌Comes with soft carrying case

Totally portable

Accessories :
Nose piece,
Mouth nozzle,
Extension tube,
Adult & child masks,
AC adapter,
Medication cup×5 pcs,
and Soft carrying case

Nebulizer

MODEL	CNC501	CNC701	CUN60
Unit size (Approx.)	220 × 100 × 170 mm	95 × 55 × 135 mm	88 × 143 × 53 mm
Weight	Approx. 1.34 kg	Approx. 430 g	Approx. 350 g (including rechargeable battery-pack)
Power	AC230V, 50Hz	100-240V, 50/60Hz	AC220V-240V, 50/60Hz AC100V, 50/60Hz
Power cunsumption	55VA	16VA	Approx. 10W
Nebulization rate	0.4 ml/min	0.4 ml/min	3-speed adjustable
Particle size(MMAD)	2.44 µm	2.44 µm	5 µm
Medication cup capacity	8 ml (Max.)	8 ml (Max.)	8 ml (Max.)

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		
CH-456	130	112	185	788	20	0.073	17.0	4580193650900	6
CHU503	110	165	120	687	20	0.060	14.9	4580193651334	6
CH-453	165	130	90	607	20	0.050	13.7	4580193650634	7
CH-453 STYLISH BLACK	165	130	90	607	10	0.027	7.1	4580193651297	9
CH-452	165	130	90	601	20	0.050	13.0	4580193650603	7
CH-452 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
CH-308B	180	140	88	490	10	0.029	6.6	4966006708028	8
CH-657 STYLISH BLACK	94	54	133	276	20	0.020	6.4	4580193651310	10
CH-657	94	54	133	276	40	0.038	12.0	4580193650627	11
CH-650 STYLISH BLACK	98	91	135	302	20	0.035	8.0	4580193651303	10
CH-650	98	91	135	302	40	0.063	13.2	4580193650702	11
CH-618	104	90	110	312	20	0.030	6.9	4580193650887	10
CH-617	104	90	110	305	20	0.030	6.7	4580193650870	11
AC-230CZ	51	89	80	95	50	0.028	5.3	4580193650924	-

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	15
CTA302	40	170	20	24	200	0.044	6.6	4580193651266	15
CTA303	40	170	20	25	200	0.044	6.7	4580193651273	15
CTD504	88	62	158	228	40	0.044	9.8	4580193651242	16
CTD505	88	62	158	228	40	0.044	9.8	4580193651396	17

Nebulizer

Model No.	Gift Box Size				Master Carton			Jan Code	Page
	Dimension(L×W×Hmm)			Weight (g)	Packed Q'TY	M3	Kg		
CNC501	245	240	118	1738	4	0.033	7.5	4580193651211	18
CNC701	190	210	125	950	4	0.024	4.4	4580193651235	18
CUN60	175	175	120	1300	10	0.046	13.6	4966006689211	19

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