

# CITIZEN

## HEALTHCARE PRODUCTS



Digital Blood Pressure Monitor

Digital Thermometer

*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.*

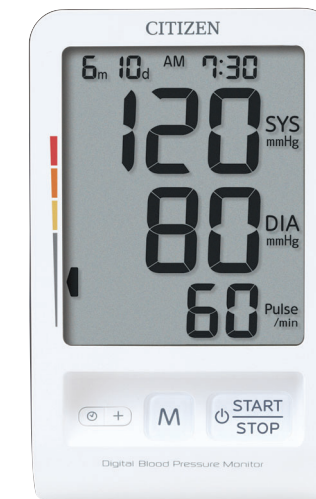
### Connecting personal health data with doctors

**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** 2

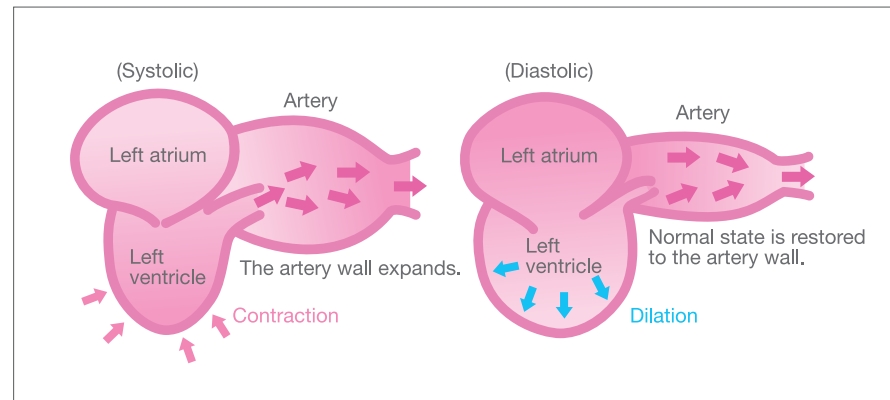
**Digital Thermometer** 14

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# Digital Blood Pressure Monitor

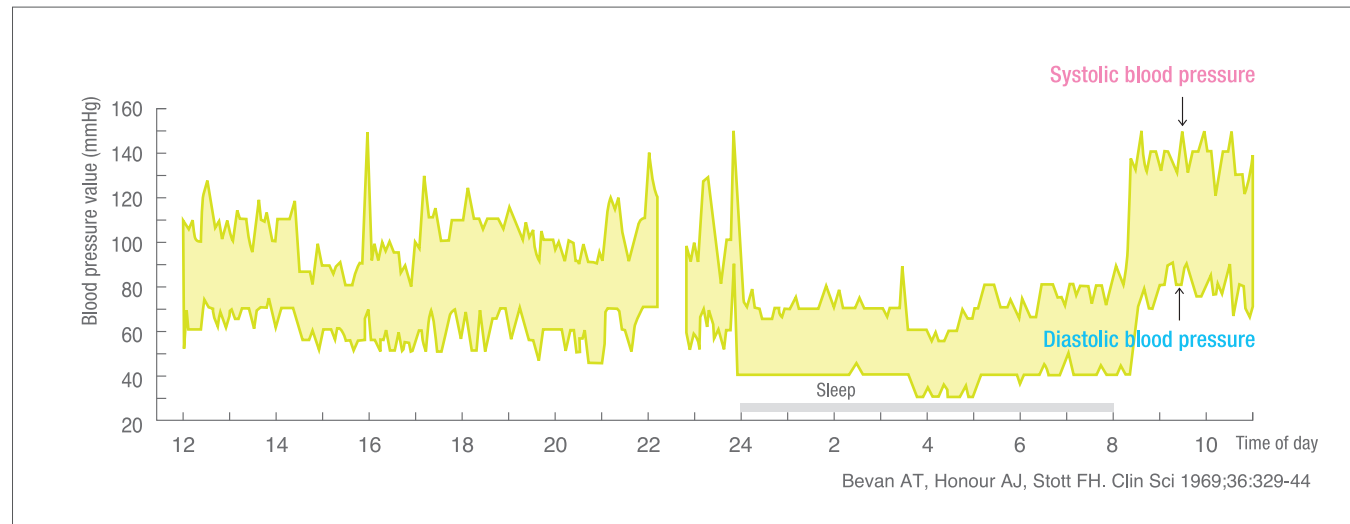
## What is blood pressure?

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.

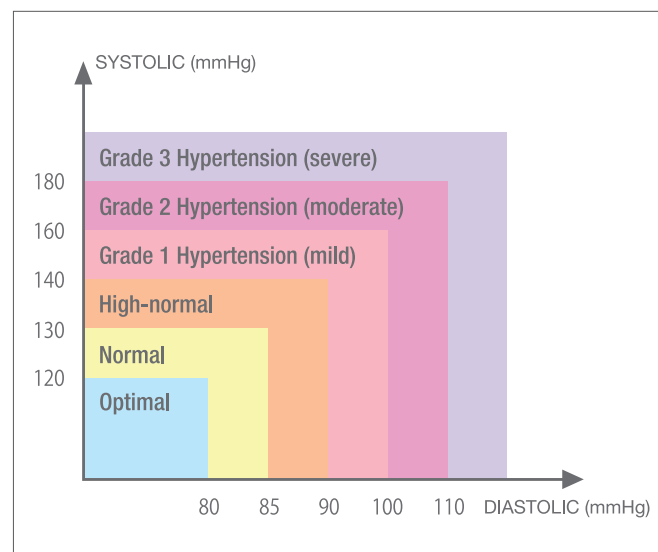


## Blood pressure classifications

The figure right shows the blood pressure classifications under the WHO standards.

( Taking measurements while sitting in the hospital )

[ WHO / ISH : 1999 ]

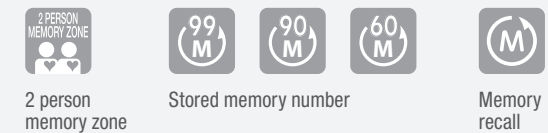


## Function mark explanation

### Measurement Method Measurement Point



### Main Features Memory Function



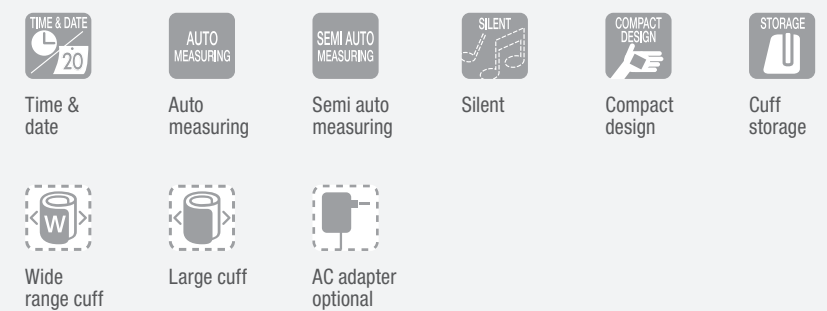
### Average Memory



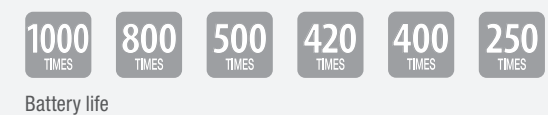
### Markings



### Other Specifications



### Battery Life



### Accessories



## How to operate

CH-456, CHU503, CHUD514, CHUD517, 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

Only available in select markets.



CH-453



CH-657

## Limited Edition



CH-453



CH-452



CH-657



CH-650



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

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

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

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



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 )



## CHUD514 CHUD517



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. 420 times  
 Outside dimensions W118×H62×D137 mm  
 Weight Unit : Approx. 305g ( without batteries )  
 Cuff : CHUD514 Approx. 120g  
 CHUD517 Approx. 134g

- 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
- AC adapter is optional ( AC-230CZ )



Wide range cuff ( SCW-009 )

CHUD517  
 ■ Comes with Wide range cuff  
 Arm size 22.0 - 42.0 cm

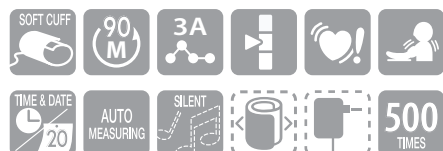


## CHU503



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×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 )

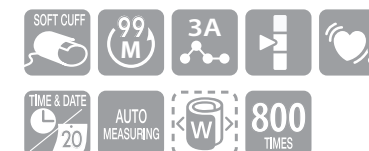


## CHU304 CHU305



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 : CHU304 Approx. 128g  
 CHU305 Approx. 134g

- 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



Wide range cuff ( SCW-009 )

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

# Digital Blood Pressure Monitor

Upper arm/ Full automatic

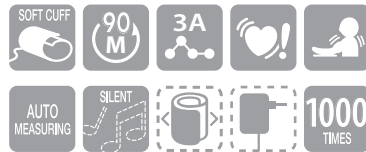


**CH-453**



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 )



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



ESH

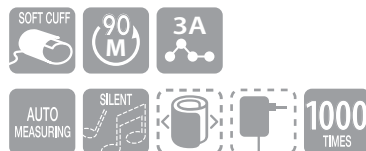


**CH-452**



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 )



Only available in select markets.

ESH



**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





# Digital Blood Pressure Monitor

## Wrist/ Full automatic

Only available in select markets.



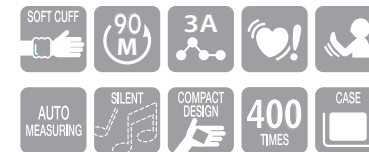
CE 0086

### 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



CE 0086

### CH-657

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.



CE 0086

### 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



CE 0086

### CH-650

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



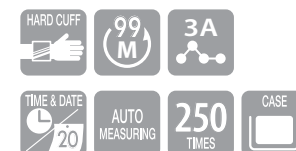
BIHS

CE 0197

### CH-618

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



BIHS

CE 0197

### CH-617

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	CHUD514/517
Outside dimensions	105 × 166 × 122 mm	145 × 76 × 96 mm	118 × 62 × 137 mm
Weight ( without batteries )	Unit: Approx. 390 g Cuff: Approx. 130 g	Unit: Approx. 290 g Cuff: Approx. 130 g	Unit: Approx. 209 g Soft cuff: Approx. 120 g Wide range cuff: Approx. 134 g
Cuff	Soft cuff ( 22.0 - 32.0cm )	Soft cuff ( 22.0 - 32.0cm )	CHUD514 : Soft cuff ( 22.0 - 30.0cm ) CHUD517 : Wide range cuff ( 22.0 - 42.0cm )
Memory	90 memory	90 memory	99 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	420 times
Power source	AA size × 4	AA size × 4	AA size × 4
Option ( Large cuff:32.0 - 42.0cm <sup>X</sup> )	●	●	—
Option ( Wide range cuff:22.0 - 42.0cm <sup>X</sup> )	—	—	● ( CHUD514 )
Option ( AC/DC adapter )	●	●	—
Silent	●	●	●
Page	P.6	P.6	P.7

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

MODEL	CHU304/305	CH-453	CH-452
Outside dimensions	138 × 48 × 98 mm	130 × 53 × 118 mm	129 × 55 × 119 mm
Weight ( without batteries )	Unit: Approx. 209 g Soft cuff: Approx. 128 g Wide range cuff: Approx. 134 g	Unit: Approx. 240 g Cuff: Approx. 130 g	Unit: Approx. 240 g Cuff: Approx. 130 g
Cuff	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	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	800 times	1,000 times	1,000 times
Power source	AA size × 4	AA size × 4	AA size × 4
Option ( Large cuff:32.0 - 42.0cm <sup>X</sup> )	—	●	●
Option ( Wide range cuff:22.0 - 42.0cm <sup>X</sup> )	● ( CHU304 )	—	—
Option ( AC/DC adapter )	—	White model only	White model only
Silent	●	●	●
Page	P.7	P.8/P.9	P.8/P.9

## 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

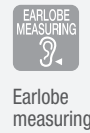


## Function mark explanation

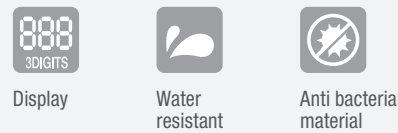
### Celsius/ Fahrenheit



### Measurement Method Measurement Point



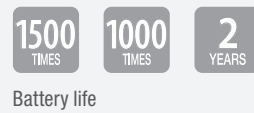
### Main Features and Specifications



### Memory and Notification



### Battery Life (Approximate Value)



### Accessories



## 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 )



- °C / °F switching
- General purpose use
- Auto memory recall of last reading
- Buzzer notice
- 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 )



- °C / °F switching
- General purpose use
- Water resistant & fully washable
- Auto memory recall of last reading
- Buzzer notice
- 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 )



- °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



## Digital Thermometer



MODEL	Digital Thermometer CTA301	Digital Thermometer CTA302	Digital Thermometer CTA303	Digital Thermometer CTD504	Digital Thermometer 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

# Digital Thermometer

## Ear type



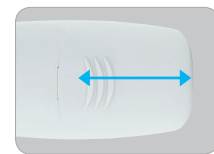
### Digital Thermometer CTD504

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 )

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

Easy-to-replace battery



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



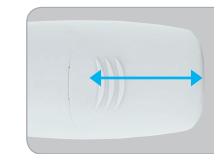
### Digital Thermometer CTD505

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 measurement
- 12 memory
- Celsius only
- Auto power off

Easy-to-replace battery

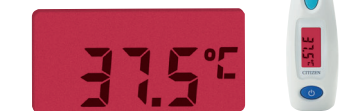


#### Fever alert

Lower than 37.5 °C :  
LED turns Green



37.5 °C or higher :  
LED turns Red



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.









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**CITIZEN**

**CITIZEN SYSTEMS JAPAN CO., LTD.**

6-1-12, Tanashi-Cho, Nishi-Tokyo-Shi, Tokyo 188-8511, JAPAN

Tel.(81)-424-68-4988 Fax.(81)-424-68-4996

<http://www.citizen-systems.co.jp>

e-mail : [sales-oe@systems.citizen.co.jp](mailto:sales-oe@systems.citizen.co.jp)

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