

HEALTHCARE PRODUCTS 2016



Digital Blood Pressure Monitor

Digital Thermometer

Nebulizer

*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

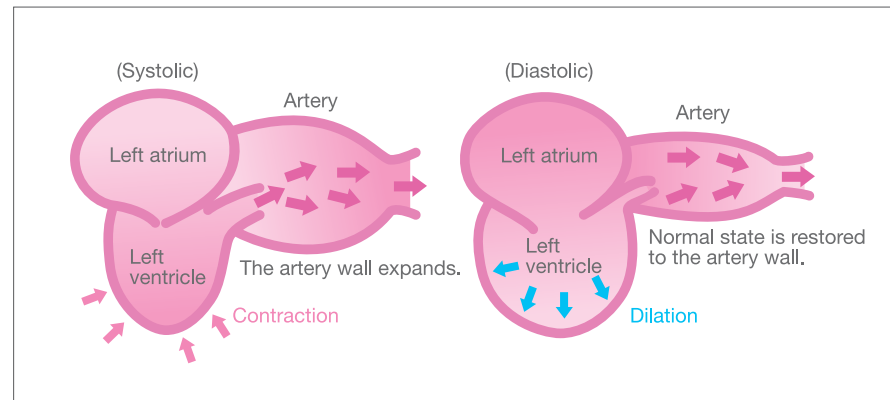
Nebulizer 18

Model Index 20

Digital Blood Pressure Monitor

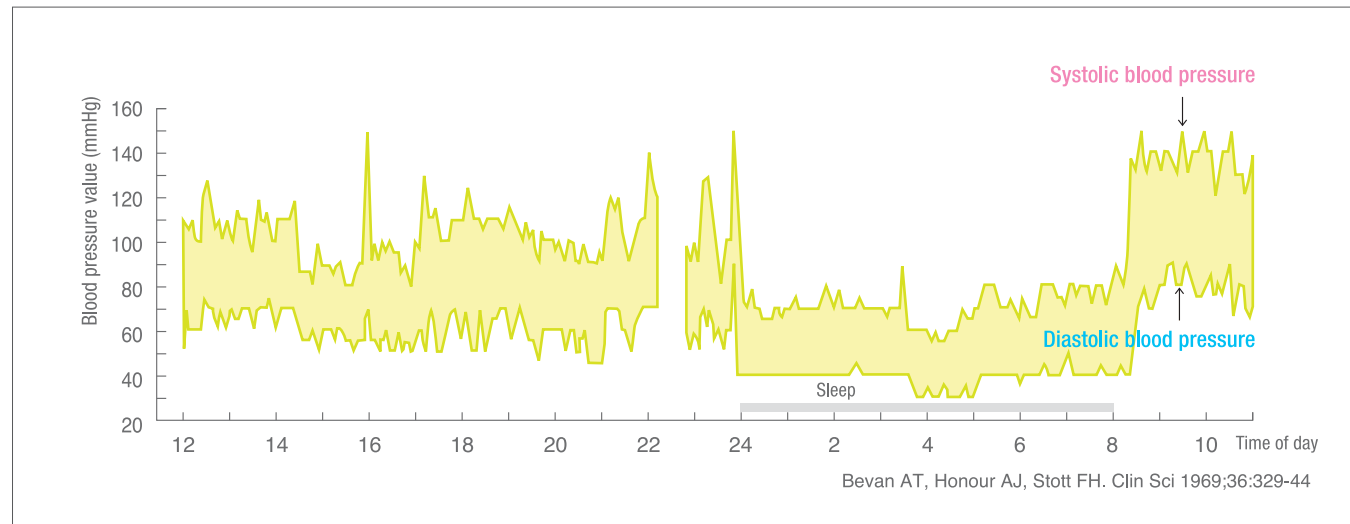
What is blood pressure?

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.

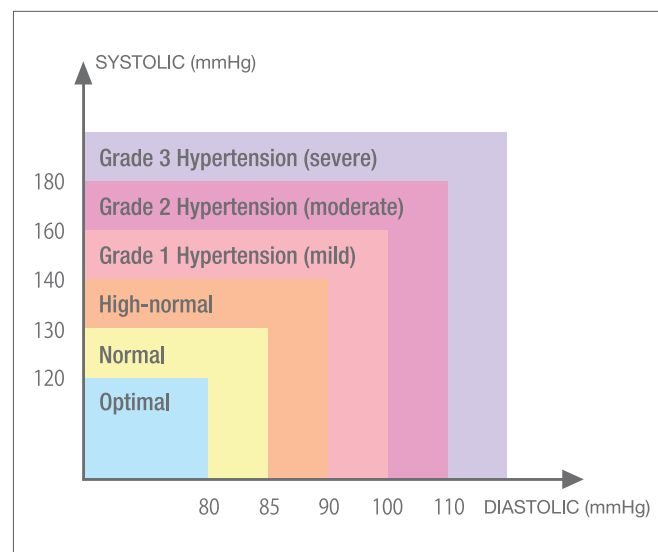


Blood pressure classifications

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

(Taking measurements while sitting in the hospital)

[WHO / ISH : 1999]

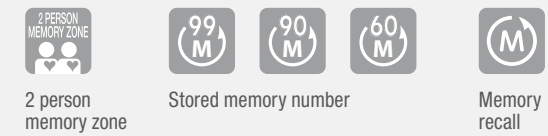


Function mark explanation

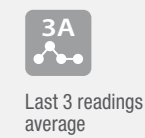
Measurement Method Measurement Point



Main Features Memory Function



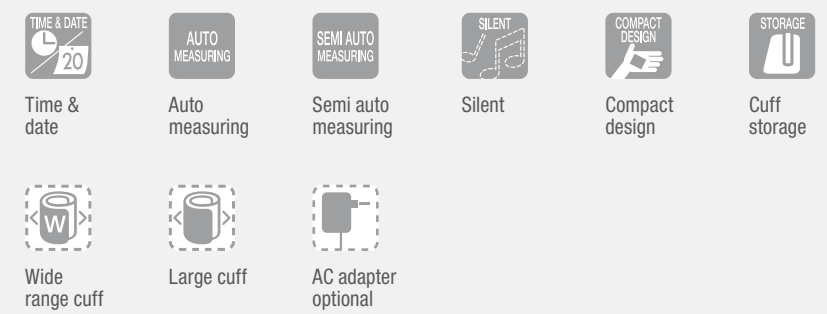
Average Memory



Markings



Other Specifications



Battery Life



Accessories



How to operate

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

Only available in select markets.



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

new

CE 0086

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 $\times 4$
 Optional AC/DC adapter (DC 6V, 0.6A)
 Battery life Manganese battery : Approx. 150 times
 Alkaline battery : Approx. 500 times
 Rated voltage DC6V \approx 3W (--- : 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
- Large cuff is optional
- AC adapter is optional (AC-230CZ)



CE 0086

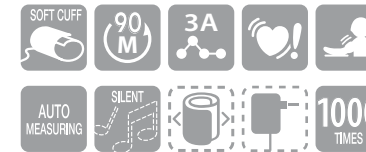
CH-453
CH-453-AC



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. 300 times
 Alkaline battery : Approx. 1,000 times
 Rated voltage DC6V \approx 3W (--- : Direct Current)
 Outside dimensions W130 \times H53 \times 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

CH-453-AC
 ■ AC adapter is optional (AC-230CZ)



new

CE 0086

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 \approx 3W (--- : 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
- Large cuff is optional
- AC adapter is optional (AC-230CZ)



ESH

CE 0086

CH-452
CH-452-AC



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. 300 times
 Alkaline battery : Approx. 1,000 times
 Rated voltage DC6V \approx 3W (--- : Direct Current)
 Outside dimensions W129 \times H55 \times 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

CH-452-AC
 ■ AC adapter is optional (AC-230CZ)



Digital Blood Pressure Monitor

Upper arm/ Full automatic

new

ESH



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



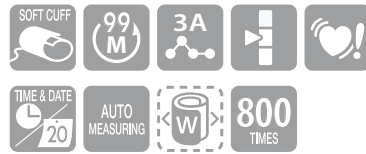
- Hypertension indicator
- Irregular heartbeat indicator
- 99 memory
- Average of last 3 readings
- Time and date
- Easy to read LCD display
- Automatic power off
- ESH validated
- Wide range cuff is optional

CHU305

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



Wide range cuff (SCW-009)



Upper arm/ Semi automatic



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



Upper arm/ Full automatic

Only available in select markets.

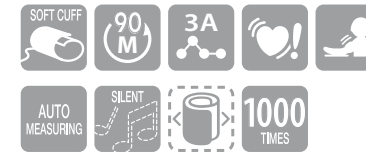
CH-453

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



Only available in select markets.

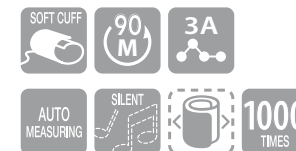
CH-452

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



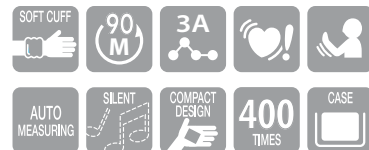
- 90 memory
- Average of last 3 readings
- Easy to read LCD display
- Automatic power off
- Large cuff is optional



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



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.



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

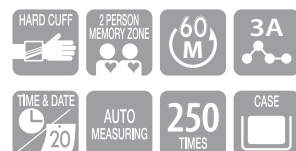


CE 0086

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



BHS

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



BHS

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	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
°C/°F
Conversion

Measurement Method Measurement Point



Earlobe
measuring

Main Features and Specifications



Display
Water
resistant
Anti bacterial
material

Memory and Notification



12 memory
Memory
recall
Buzzer
notice
Prove cover is
not necessarily
Measuring
Speed
Fever alert

Battery Life (Approximate Value)



Battery life

Accessories



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

Stick type

CE
0434

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



CE
0434

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



CE
0434

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

Ear type



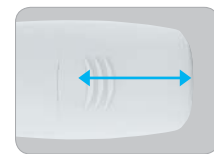
CTD504

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 (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.

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.



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.

Nebulizer

Compressor type



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
 Dimensions 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



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
 Dimensions W95×H55×D135 mm
 Weight Approx. 430 g



- Reliable
- Easy to use
- Compact
- Portable
- Comes with soft carrying case



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

Ultrasonic type



CUN60-CE CUN60-120V

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



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-CE/-120V
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 consumption	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			Weight (g)	Master Carton			Jan Code	Page
	Dimension(L×W×Hmm)				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-AC	165	130	90	607	20	0.050	13.7	4580193650801	7
CH-453 <small>STYLISH BLACK</small>	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-AC	165	130	90	601	20	0.050	13.0	4580193650795	7
CH-452 <small>STYLISH BLACK</small>	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 <small>STYLISH BLACK</small>	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 <small>STYLISH BLACK</small>	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			Weight (g)	Master Carton			Jan Code	Page
	Dimension(L×W×Hmm)				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			Weight (g)	Master Carton			Jan Code	Page
	Dimension(L×W×Hmm)				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-CE	175	175	120	1300	10	0.046	13.6	4966006689211	19
CUN60-120V	175	175	120	1250	10	0.046	13.1	4966006708158	19



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

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