

# Genius™ 3 Tympanic Thermometer and Single-Use Probe Covers

## Product description

Code	Description
303013	Genius™ 3 tympanic thermometer and instruction CD Rom with 32 probe covers
303030	Genius probe covers (Case of 22x96)

## Materials of manufacture

Handset	Polyester
Base over-mould	Polyurethane
Base	Acrylonitrile-Butadiene-Styrene (ABS) / Polycarbonate blend
Base overlay	Polyester
Coil cord	Polyvinylchloride (PVC)
Probe tip	Nickel Plated Zinc Eject button    Silicone
Probe cover/film	Polyethylene

## Special features

Very fast temperature acquisition that meets ISO standard    Peak select system  
 Temperature measurement range of 33.0°C to 42.0°C (91.4°F to 107.6°F)    Easy to read LCD display with icons  
 "Sleep" mode stores the last temperature and conserves battery life  
 Pulse timer functions

## Calibrated accuracy limits Ambient temperature

### Ambient temperature

Ambient temperature	Target Temperature	Accuracy
16°C to 33°C (60.8°F to 91.4°F)	33°C to 42°C (91.4°F to 107.6°F)	.+/-0.3°C (.+/-0.5°F)

### Dimensions and timings/resolution

Size Thermometer	17.8 cm	Response time	1-2 seconds
Size Base	20.3 cm	Pulse timer	60 seconds
Thermometer	160 grams – (With batteries)	Temperature resolutions	0.1°C or 0.1°F
Weight Base	100 grams		

### Power/battery

Battery type	3 x AAA
Battery life	Minimum of 15000 readings

### Dimensions and timings/resolution

Size Thermometer	17.8 cm	Response time	1-2 seconds
Size Base	20.3 cm	Pulse timer	60 seconds
Weight Thermometer	160 grams – (With batteries)	Temperature resolutions	0.1°C or 0.1°F
Weight Base	100 grams		

### Power/battery

Battery type 3 x AAA  
 Battery life Minimum of 15000 readings

### Thermometer buttons



Eject button



°C/°F button



Timer button



Scan button

### Temperature modes



Rectal



Oral



Ear

### Alarm conditions



Patient temperature above specified range



Patient temperature below specified range



Ambient Temperature above specified range



Ambient Temperature below specified range



Low Battery



Dead Battery

## Packaging

Genius™ 3 thermometer	Contents	LxWxH (cm)	Materials
Case	x1	44.1x32.0x14.3	Kraft corrugated grade
<b>Genius™ 3 probe covers</b>			
Carton	x96	15.1x4.0x12.5	Paperboard
Case	x2112	43.5x32.0x14.5	Kraft corrugated grade

## Transport and Storage Environment

Relative Humidity	Up to 90% non - condensing
Storage temperature	-25°C to 55°C
Degree of protection against ingress of fluids Latex free	Yes Drip Proof – IP22
Recyclable packaging	Yes – Case material (Kraft corrugated grade only)

## Country of Manufacture

China

## Legal status

CE marked

## Regulatory and safety standards

The Genius™ 3 thermometer follows international regulatory standards :

• ISO 80601-2-56:2017 • IEC 60601-1:2005/AMD1:2012 • IEC 60601-1-2:2014

The device meets ISO 80601-2-56:2017 subject to the following conditions

1. The software was modified during testing to increase the precision of the measurements taken from one significant digit or two significant digits
2. The increased precision numbers were then averaged to account for the known variance in measurements taken due to human factors