



# Finger Pulse Oximeter Comparison

	Nonin 3230 <i>Bluetooth</i> <sup>®</sup> Smart	MD 300C1	CMS50DL
<b>Manufacturer</b>	Nonin Medical	Beijing Choice	Contec Medical
<b>Manufacturing location</b>	Plymouth, MN, USA	Beijing, China	Qinhuangdao, China
<b>Warranty</b>	2-year warranty	1-year limited warranty	1-year limited warranty
<b>Customer service and technical support</b>	Plymouth, MN, USA	Beijing, China or through internet distributors	Qinhuangdao, China or through internet distributors
<b>Accuracy claims in low perfusion</b>	Yes	No	No
<b>Accuracy claims in dark skin tones</b>	Yes	No	No
<b>Tested for accuracy in motion</b>	Yes	No	No
<b>Improper finger placement feedback</b>	Yes, CorrectCheck™ Technology	No	No
<b>SpO<sub>2</sub> accuracy</b>	± 2 digits	± 3 digits	± 2 digits
<b>Lead free*</b>	Lead free	Contains lead-rich components	Contains lead-rich components
<b>RoHS** compliant</b>	Yes	No	No
<b>Latex free</b>	Yes	Unknown	Unknown
<b>Durability (Number of drops from 3 feet onto a hard surface)</b>	25 times	Unknown	Unknown
<b>Meets water ingress standard</b>	Yes	Yes	No
<b>Finger and thumb range from small to large (8mm to 25.4mm or 0.3" to 1.0")</b>	Yes	No***	No***
<b>Manufacturer provides published independent proof sources for claims</b>	Yes	No	No
<b>Wireless connectivity</b>	<i>Bluetooth</i> <sup>®</sup> Smart Technology (Model 3230)	<i>Bluetooth</i> <sup>®</sup> Technology	None†
<b>Automatic on/off</b>	Yes	No	No

\* Nonin commissioned an independent test lab to analyze the lead content in several finger pulse oximeters. The results showed that imports from two leading Chinese manufacturers contained "lead-rich components." Nonin Medical's products were lead free.

\*\* Restriction of Hazardous Substances Directive (RoHS) is the restriction of the use of certain hazardous substances in electrical and electronic equipment regulation.

\*\*\* Size not provided in labeling; labeling for finger only.

† Manufacturer makes no claims. Distributor makes *Bluetooth* Technology claim but supplies non-*Bluetooth* Technology frequency.