

Use of VM-2101 / VM-2105 with SPO₂ Simulator Index 2

Simulator: Index 2 Manufacturer: Fluke / Bio-Tek
 Software: 3.00 Curve/Make: BCI
 AMP: 3.000% TLC 1100 Ambient Normal

Index 2 BCI Curve Pulse 75 Saturation [%]	Reading on VM-2101/VM-2105 [%]		
	min	typical	max
100	99	99	99
99	99	99	99
98	99	99	99
97	98	98	98
96	97	97	97
95	96	96	96
94	95	95	95
93	94	94	94
92	92	93	93
91	91	92	92
90	91	91	91
89	90	90	90
88	89	89	89
87	88	88	88
86	86	87	87
85	85	86	87
84	84	85	85
83	83	84	84
82	83	83	84
81	81	82	82
80	80	81	82
79	79	80	81
78	78	79	79
77	77	78	78
76	76	77	77
75	75	76	77
74	74	75	75
73	73	74	74
72	72	73	73
71	71	72	72
70	70	71	72



Please note that according to the international standard ISO9919:2005, chapter 50.101.2 the use of patient simulators or functional testers shall not be used to validate the accuracy of pulse oximeter equipment!

The only reliable method of testing the measurement accuracy of an SpO₂ monitor is the clinical validation of the measurement data, indicated by the monitor on the basis of blood gas analysis.

During extensive clinical studies, the VM-2101 and the VM-2105 evidenced the accuracy required.

09/03/10