

SpO₂ for Neonates

TL-535U, TL-273T3



Care for
Your Tiniest
Patients

Proven Accuracy¹

Nihon Kohden commissioned two studies to evaluate pulse oximetry probes at the esteemed Hypoxia Research Laboratory at The University of California, San Francisco in 2008 and 2010.¹ All tested probes meet the accuracy specifications and exceed the ISO 80601-2-61: 2011 specification for SpO₂ probe accuracy.¹

ACCURACY CRITERIA FOR SpO₂ MEASUREMENT

Result for TL-535U Bias (SpO₂-SaO₂) Analysis

Probe	TL-535U	
	70 - 80%	80 - 100%
Hemoximeter SaO ₂ Range	70 - 80%	80 - 100%
Count	162	356
Mean	0.72%	0.03%
Standard Deviation	1.88%	1.37%
Root Mean Square (RMS)	2.01%	1.37%
ISO 80601-2-61: 2011	3% or less	2% or less



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Comfortable Patients

TL-535U:

- Attachment wrap uses soft foam where it touches baby's skin
- No Adhesive – Attachment wrap uses supremely soft Velcro®-style closure
- Sensor feels like soft felt, designed so sensor cord doesn't leave indentation on baby's delicate skin

ITEM	PART NUMBER	QUANTITY
Neonate Soft Sensor	TL-535U	5 SpO ₂ sensors, each has 3 size S attachment wraps
Attachment Wrap Size S	YS-102P0	24
Attachment Wrap Size L	YS-102P1	24
Connection Cable 0.3m for TL-535U Sensor	JL-030U1	1
Connection Cable 1m for TL-535U Sensor	JL-030U2	1
SpO ₂ Cable 3m for TL-535U	JL-930P	1
Neonate Adhesive SpO ₂	TL-273T3	24
SpO ₂ for TL-273T3 or Connection Cord for TL-535U	JL-900P	1
Dual SpO ₂ for TL-273T3 or Connection Cord for TL-535U	JL-500P1	1

Simplifies Clinical Workflow

- TL-535U Semi-Disposable Sensor can be reused for length of baby's stay in NICU, simply change the wrap to freshen
- TL-273T3 uses traditional soft adhesive
- Neonate SpO₂ options depending on patient needs, choose traditional adhesive or non-adhesive sensors for more sensitive patients
- Neonatal Dual-SpO₂ for detecting duct dependent congenital heart diseases in the newborn – dual SpO₂ is simplified with the Nihon Kohden Smart Cable™ – just plug and measure

SpO₂ for Neonates Product Line



References

¹ INTERNAL: SpO₂ Monitoring Pulse Oximeter Accuracy Study, 2008 study by John R. Feiner, M.D., Phillip E. Bickler, Ph.D.M.D., and John W. Severinghaus, M.D. For the 2010 study, authors are Phillip E. Bickler, Ph.D.M.D. and John R. Feiner, M.D. at the Hypoxia Research Laboratory at the University of California, San Francisco.

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