

Sensor and Cable Compatibility Requirements

Sensor	Device ▶	SpO2 ONLY								rainbow® Parameters					
	Cable ▶	RD SET™	PC	LNC	M-LNC	*RD rainbow SET™	Red PC	Red LNC	rainbow® RC	RD rainbow SET™	rainbow® RC	RD rainbow SET™	rainbow® RC	RD rainbow SET™	rainbow® RC
	Connector ▶	RD15	MC8	DB9	M15	RD15	MC8	DB9	M15	RD15	M15	RD15	M15	RD15	M15
SpO2										SpHb*		SpCO*		SpMet*	
RD SET Disposables		Y	A ¹	A ²	A ³	Y	A ¹	A ²	A ^{3*}	Y	A ³	Y	A ³	Y	A ³
LNOP® Disposables		A ⁴	Y	A ⁵	n/a	A ⁴	Y	A ⁵	n/a	A ⁴	n/a	A ⁴	n/a	A ⁴	n/a
LNCS® Disposables		A ⁶	A ⁷	Y	n/a	A ⁶	A ⁷	Y	n/a	A ⁶	n/a	A ⁶	n/a	A ⁶	n/a
E1®		A ⁶	N	N	n/a	A ⁶	A ⁷	Y	n/a	A ⁶	n/a	A ⁶	n/a	A ⁶	n/a
TFA-1™**		A ⁶	A ⁷	Y	n/a	A ⁶	A ⁷	Y	n/a	A ⁶	n/a	A ⁶	n/a	A ⁶	n/a
Red TFA-1**		A ⁶	N	N	n/a	A ⁶	A ⁷	Y	n/a	A ⁶	n/a	A ⁶	n/a	A ⁶	n/a
M-LNCS™ Disposables		A ⁸	A ⁹	A ¹⁰	Y	A ⁸	A ⁹	A ¹⁰	Y	A ⁸	Y	A ⁸	Y	A ⁸	Y
E1		A ⁸	N	N	N	A ⁸	A ⁹	A ¹⁰	Y	A ⁸	Y	A ⁸	Y	A ⁸	Y
TFA-1**		A ⁸	A ⁹	A ¹⁰	Y	A ⁸	A ⁹	A ¹⁰	Y	A ⁸	Y	A ⁸	Y	A ⁸	Y
Red TFA-1**		A ⁸	N	N	N	A ⁸	A ⁹	A ¹⁰	Y	A ⁸	Y	A ⁸	Y	A ⁸	Y
RD SET Reusables		Y	A ¹	A ²	A ³	Y	A ¹	A ²	A ^{3*}	Y	A ³	Y	A ³	Y	A ³
LNOP Reusables		A ⁴	Y	A ⁵	n/a	A ⁴	Y	A ⁵	n/a	A ⁴	n/a	A ⁴	n/a	A ⁴	n/a
LNCS Reusables		A ⁶	A ⁷	Y	n/a	A ⁶	A ⁷	Y	n/a	A ⁶	n/a	A ⁶	n/a	A ⁶	n/a
M-LNCS Reusables		A ⁸	A ⁹	A ¹⁰	Y	A ⁸	A ⁹	A ¹⁰	Y	A ⁸	Y	A ⁸	Y	A ⁸	Y
Direct Connect, 14-pin		Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Red Direct Connect, 20-pin		n/a	n/a	n/a	n/a	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹
SpCO, SpMet, SpO2															
Disposables		A ⁸	A ⁹	A ¹⁰	Y	A ⁸	A ⁹	A ¹⁰	Y	A ⁸	Y	A ⁸	Y	A ⁸	Y
Reusables		A ⁸	A ⁹	A ¹⁰	Y	A ⁸	A ⁹	A ¹⁰	Y	A ⁸	Y	A ⁸	Y	A ⁸	Y
Direct Connect, 20-pin		n/a	n/a	n/a	n/a	Y ¹¹	Y ¹¹	A ¹⁰	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹	Y ¹¹
SpHb, SpMet, SpO2															
Disposables		A ⁸	A ⁹	A ¹⁰	Y	A ⁸	A ⁹	A ¹⁰	Y	A ⁸	Y	A ⁸	Y	A ⁸	Y
Reusables		N	N	N	N	N	N	N	N	A ⁸	Y	N	N	N	N
Direct Connect Spot Check, 20-pin		n/a	n/a	n/a	n/a	N	N	N	N	Y ¹¹	Y ¹¹	N	N	N	N

Notes:

Areas in white provide SpO2 ONLY

Y

Sensor will connect to cable and/or device and provide the parameters the device and/or sensor is capable of reading

n/a

Not available; sensor will not physically connect to cable

A

Requires an adapter cable to connect to the cable, SpO2 parameter ONLY

N

Sensor will connect to patient cable or device (with or without adapter cable) but will display "Invalid Sensor" message and will not provide any parameter readings

- 1 Requires RD to PC adapter cable to connect to cable
- 2 Requires RD to LNC adapter cable to connect to cable
- 3 Requires RD to M-LNC adapter cable to connect to cable*
- 4 Requires LNOP to RD adapter cable to connect to cable
- 5 Requires MAC-1 adapter cable to connect to cable
- 6 Requires LNCS to RD adapter cable to connect to cable
- 7 Requires LNCS to PC adapter cable to connect to cable
- 8 Requires M-LNCS to RD adapter cable to connect to cable
- 9 Requires M-LNCS to PC adapter cable to connect to cable
- 10 Requires M-LNCS to LNC adapter cable to connect to cable
- 11 No patient cable required

For professional use. See instructions for use for full prescribing information including indications, contraindications, warnings and precautions. Caution: Federal (USA) law restricts this device to sale by or on the order of a physician.

* The RD rainbow SET™ Series and RD to M-LNC adapter cable are not for use on Masimo Rad-8® or Rad-5®, an "Invalid Sensor/ Bad Sensor" message will be displayed. Use a RD SET MD20 Series patient cable.

**TFA-1 and Red TFA-1 have obtained CE Marking. Not available in the U.S.



Minimum Software Requirements**

Sensor	Device ▶	SpO2 ONLY							rainbow® Parameters						
	Cable ▶	RD SET	PC	LNC	M-LNC	*RD rainbow SET™	Red PC	Red LNC	rainbow® RC	RD rainbow SET™	rainbow® RC	RD rainbow SET™	rainbow® RC	RD rainbow SET™	rainbow® RC
	Connector ▶	RD15	MC8	DB9	M15	RD15	MC8	DB9	M15	RD15	M15	RD15	M15	RD15	M15
SpO2									SpHb		SpCO		SpMet		
RD SET Disposables		No Min	No Min	No Min	No Min	7.1	No Min	No Min	7.1	7.1	7.1	7.1	7.1	7.1	7.1
LNOP Disposables ¹²		No Min	No Min	No Min	No Min	7.1	No Min	No Min	n/a	7.1	n/a	7.1	n/a	7.1	n/a
LNCS Disposables ^{12,13,14}		No Min	No Min	No Min	n/a	7.1	No Min	No Min	n/a	7.1	n/a	7.1	n/a	7.1	n/a
M-LNCS Disposables ^{12,13,14}		No Min	No Min	No Min	No Min	7.1	No Min	No Min	7.1	7.1	7.1	7.1	7.1	7.1	7.1
RD SET Reusables		No Min	No Min	No Min	No Min	7.1	No Min	No Min	7.1	7.1	7.1	7.1	7.1	7.1	7.1
LNOP Reusables		No Min	No Min	No Min	No Min	7.1	No Min	No Min	n/a	7.1	n/a	7.1	n/a	7.1	n/a
LNCS Reusables		No Min	No Min	No Min	n/a	7.1	No Min	No Min	n/a	7.1	n/a	7.1	n/a	7.1	n/a
M-LNCS Reusables		No Min	No Min	No Min	No Min	7.1	No Min	No Min	7.1	7.1	7.1	7.1	7.1	7.1	7.1
Direct Connect, 14-pin		No Min ¹¹	No Min ¹¹	No Min ¹¹	No Min ¹¹	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Red Direct Connect, 20-pin		n/a	n/a	n/a	n/a	No Min ¹¹	No Min ¹¹	No Min ¹¹	No Min ¹¹	7.1	7.1	7.1	7.1	7.1	7.1
SpCO, SpMet, SpO2															
Disposables		No Min	No Min	No Min	No Min	7.1	No Min	No Min	7.1	7.1	7.1	7.1	7.1	7.1	7.1
Reusables		No Min	No Min	No Min	No Min	7.1	No Min	No Min	7.1	7.1	7.1	7.1	7.1	7.1	7.1
Direct Connect, 20-pin		n/a	n/a	n/a	n/a	No Min ¹¹	No Min ¹¹	No Min ¹¹	No Min ¹¹	7.1	7.1	7.1	7.1	7.1	7.1
SpHb, SpMet, SpO2															
Disposables		No Min	No Min	No Min	No Min	7.1	No Min	No Min	7.1	7.4	7.4	7.1	7.1	7.4	7.4
Reusables		N	N	N	N	N	N	N	N	7.4	7.4	N	N	N	N
Direct Connect Spot Check, 20-pin		n/a	n/a	n/a	n/a	N	N	N	N	7.4	7.4	N	N	N	N

Notes:

Areas in white provide SpO2 ONLY

No Min

Sensor will connect to cable and/or device and provide the parameters the device and/or sensor is capable of reading

n/a

Not available; sensor will not physically connect to cable

N

Sensor will connect to patient cable or device (with or without adapter cable) but will display "Invalid Sensor" message and will not provide any parameter readings

11 No patient cable required

12 Trauma or Newborn sensors require software v4.1 or higher

13 E1 sensors require Masimo SET MS-2000 (v4.8 or higher) technology or Masimo rainbow SET MX technology

14 Red TFA-1 sensors require Masimo SET MS-2000 (v4.8 or higher) technology or Masimo rainbow SET MX (v7.7 or higher) technology

* The RD rainbow SET™ Series and RD to M-LNC adapter cable are not for use on Masimo Rad-8® or Rad-5®, an "Invalid Sensor/ Bad Sensor" message will be displayed. Use a RD SET MD20 Series patient cable.

** Masimo Technology Board Software, Sensor, and Sensor Cable combinations have been validated and tested for compliance per ISO 80601-2-61

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