



A IRC700 **B** IRC725 **C** IRC735 **D** IRC775 **E** IRC600

Patient Monitoring Systems Specifications

	Digit pulse oximeter (IRC600)	Pulse oximeter (IRC700)	Printing pulse oximeter (IRC725)	Sleep pulse oximeter (IRC735)	Digital pulse oximeter (IRC775)
Displays, indicators & keys					
SpO ₂	LED numeric display, 0.32" (8.1 mm) high	LED numeric display, 0.43" (10.9 mm) high	LED numeric display, 0.43" (10.9 mm) high	LED numeric display, 0.3" (7.62 mm) high	LED numeric display, 0.3" (7.62 mm) high
Pulse rate	LED numeric display, 0.32" (8.1 mm) high	LED numeric display, 0.375" (9.5 mm) high	LED numeric display, 0.375" (9.5 mm) high	LED numeric display, 0.3" (7.62 mm) high	LED numeric display, 0.3" (7.62 mm) high
Pulse strength	LED numeric display, 0.32" (8.1 mm) high	logarithmically scaled 8-segment bar graph	logarithmically scaled 8-segment bar graph	logarithmically scaled 8-segment bar graph	logarithmically scaled 8-segment bar graph
Alarm silence	n/a	n/a	n/a	LED flashes or lights to remind user that audio alarms are disabled	LED flashes or lights to remind user that audio alarms are disabled
Low battery	indicator flashes when 30 minutes remain	left bar indicator lights when less than 2 hours remain	1 segment LED lights	LED flashes when approximately 30 min. of battery life remains	LED flashes when approximately 30 min. of battery life remains
Probe	unit shuts down after 8 seconds when not in use	if unit is not connected, system shuts off in 2 minutes	if unit is not connected, system shuts off in 2 minutes	LED flashes to alert operator to check SpO ₂ probe placement	LED flashes to alert operator to check SpO ₂ probe placement
SpO₂					
Range	0-99%	0-99%	0-99%	0-99%	0-99%
Accuracy	± 2% at 70%-99%	± 2% at 70%-100%; ± 3% at 50%-69%	± 2% at 70%-90%	± 2% at 70%-99%	± 2% at 70%-99%; ± 3% at 50%-69%
Averaging	8 pulse beat average	8 pulse beat average	8 pulse beat average	4 pulse beat average	4, 8 or 16 pulse beat average
Alarm range	n/a	n/a	n/a	n/a	high – 50%-99% and OFF (1% steps) low – OFF and 50%-98% (1% steps)
Pulse rate					
Range	30-254 bpm	30-254 bpm	30-254 bpm	30-254 bpm	30-254 bpm
Accuracy	± 2%	± 2%	± 2%	± 2%	± 2%
Averaging	8-second average	8-second average	8-second average	8-second average	8- or 16-second average
Alarm range	n/a	n/a	n/a	n/a	high – 5-254 bpm and OFF (1 bpm steps) low – OFF and 5-254 bpm (1 bpm steps)
Memory	n/a	99 spot-checks	99 spot-checks	99 patients or 102 hours of run time	99 patients or 102 hours of run time
Dimensions	1.7" h x 2.25" w x 1.5" d 4.3 cm x 5.7 cm x 3.8 cm	6.30" h x 3.25" w x 1.25" d 16.0 cm x 8.3 cm x 3.2 cm	6.60" h x 2.75" w x 1.43" d 16.8 cm x 7.0 cm x 3.6 cm	6.60" h x 2.75" w x 1.43" d 16.8 cm x 7.0 cm x 3.6 cm	6.60" h x 2.75" w x 1.43" d 16.8 cm x 7.0 cm x 3.6 cm
Weight	3 oz. (.09 kg) with batteries	16.5 oz. (0.5 kg) with batteries	13 oz. (0.4 kg) with batteries	13 oz. (0.4 kg) with batteries	16 oz. (0.5 kg) with batteries
Auxiliary serial printer/computer output	n/a	SpO ₂ and pulse-rate values output every 5 seconds to optional	SpO ₂ and pulse-rate values output every 5 seconds	n/a	SpO ₂ , pulse-rate and pulse strength values output every 5 seconds to optional printer; spot-check and graphic trends of stored data
Power requirements					
Power source	2 "AAA" cell alkaline batteries	3 "C" cell alkaline or NiCad® batteries	4 "AA" cell alkaline batteries	4 "AA" cell alkaline batteries	6 "AA" cell alkaline batteries
Battery life	approximately 1,400 spot-checks	approximately 1,500 spot-checks	14 hours with continuous printing	2 overnight sleep screening cycles	2 overnight sleep screening cycles
Safety approvals	UL & CSA listed	UL & CSA listed	UL & CSA listed	UL & CSA listed	UL & CSA listed
Limited warranty	1 year	2 years	2 years	2 years	2 years