



Electromagnetic compatibility information Blood Pressure Monitor BW-83E

Item number: 23105 (model: AOJ-35B)



Shenzhen AOJ Medical Technology Co., Ltd.

Add: Room 301&4F, Block A, Building A, Jingfa
Intelligent Manufacturing Park, Xiawei Yuan, Gushu
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Electromagnetic compatibility - Guidance and manufacturer's declaration

Electromagnetic emissions	
The Blood Pressure monitor is intended for use in the electromagnetic environment specified below. The customer or the user of the device should assure that it is used in such an environment.	
Emissions test	Compliance
RF emissions CISPR11	Group 1
RF emissions CISPR11	Class B
Harmonic emissions nach IEC 61000-3-2	Not applicable
Voltage fluctuations / flicker emissions IEC 61000-3-3	Not applicable

Guidance and manufacturer's declaration - Electromagnetic Immunity

Immunity test	IEC 60601-1-2 test level	Compliance level
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4kV, ±8kV, ±15kV air	±8 kV contact ±2 kV, ±4kV, ±8kV, ±15kV air
Electrical fast transient/burst IEC 61000-4-4	Not applicable	Not applicable
Surge IEC 61000-4-5	Not applicable	Not applicable
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	Not applicable	Not applicable
Power frequency magnetic field IEC 61000-4-8	30 A/m 50Hz/60Hz	30 A/m 50Hz/60Hz
Conducted RF IEC 61000-4-6	Not applicable	Not applicable
Radiated RF IEC 61000-4-3	10 V/m 80 MHz - 2,7 GHz 80 % AM at 1 KHz	10 V/m 80 MHz - 2,7 GHz 80 % AM at 1 KHz

Note: U_T is the a.c. mains voltage prior to application of the test level.



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Guidance and manufacturer's declaration - Electromagnetic Immunity

Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Maximum Power (W)	Distance (m)	IEC 60601-1-2 Test Level (V/m)	Compliance level (V/m)
	385	380-390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27	27
	450	430-470	GMRS 460 FRS 460	FM± 5 kHz deviation 2 Hz sine	2	0.3	28	28
	710	704-787	LTE Band 13,17	Pulse modulation 217 Hz	0.2	0.3	9	9
	745							
	780							
	810	800 - 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28	28
	870							
	930							
	1720	1700-1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation 217 Hz	2	0.3	28	28
	1845							
	1970							
	2450	2400-2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28	28
	5240	5100-5800	WLAN 802.11a/n	Pulse modulation 217 Hz	0.2	0.3	9	9
	5500							
	5785							

Guidance and manufacturer's declaration - Electromagnetic Immunity

Radiated RF IEC61000-4-39 (Test specifications for ENCLOSURE PORT IMMUNITY to proximity magnetic fields)	Test frequency	Modulation	IEC 60601-1-2 Test level (A/m)	Compliance level (A/m)
	30 kHz	CW	8	8
	134,2 kHz	Pulse modulation 2.1 kHz	65	65
	13,56 kHz	Pulse modulation 50 kHz	7,5	7,5



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