

Electromagnetic compatibility information
Infrared thermometer AOJ-20M (TM A68)

Item number: 92139 IAN 470270_2404



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Electromagnetic emissions

Guidance and manufacturer's statement - Electromagnetic emissions	
The Infrared Thermometer 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

Electromagnetic emissions

Guidance and manufacturer's declaration - Electromagnetic Immunity		
The Infrared Thermometer 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.		
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 interrup- tions 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_r is the a.c. mains voltage prior to application of the test level.

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Electromagnetic emissions

Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)	Guidance and manufacturer's declaration - Electromagnetic Immunity							
	The Infrared Thermometer 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.							
	Test Frequency (MHz)	Band (MHz)	Service	Modulation	Maximum Power (W)	Distan- ce (m)	IEC 60601-1-2 Test Level (V/m)	Complian- ce 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
	710 745 780	704-787	LTE Band 13,17	Pulse modulation 217 Hz	0.2	0.3	9	9
	810 870 930	800 - 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28	28
	1720 1845 1970	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
	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 5500 5785	5100- 5800	WLAN 802.11a/n	Pulse modulation 217 Hz	0.2	0.3	9	9