

ANNEX C - TECHNICAL DATA

Technical Data OrthoTIMON

The IMS sensor of the Basic Device OrthoTIMON contains a measuring tube connected to the pneumatic module that contains a radioactive radiation source of the isotope Nickel-63 with an activity of 100 MBq (2.7 mCi).

The symbol for Nickel-63 is Ni-63 or ^{63}Ni .

Ni-63 is a low energy β -emitter with maximum β -energy of 0.067 MeV. Its half-life amounts 100.1 years. Ni-63 does not emit γ -radiation. In the Basic Device OrthoTIMON the radioactive source has a protected-type covering.

If the Basic Device OrthoTIMON and its accessories are handled properly there is no danger to the operator due to the radioactive radiation source.

Table C-1 Technical Data OrthoTIMON (PN 8704100)

Dimensions (housing):	860 mm x 700 mm x 230 mm (height x width x depth)
with installation and service space:	1100 mm x 970 x 920 mm (height x width x depth)
Weight:	approx. 51 kg
Power Supply:	Input Voltage: 100 to 240 V AC Input Frequency: 50 to 60 Hz Power consumption: 340 W, average: 90 W
Interface:	Ethernet 10/100 Base-T transceiver (IEEE 802.3 Standard)
Operating Temperature:	0°C to +50°C
Storage Temperature:	-10 °C to +60 °C
Operating Humidity:	5 to 95 % r.h.
Ambient Pressure Range	700 mbar - 1300 mbar absolute
Air flow rates	~ 185 l/h (in all operation modes)
IP adress	DHCP/192.168.0.100
Safety Class	IP 42