

## Technical data sheet

### *Radio transmitter RT 300*

<b>Device data</b>	
Dimensions (H × Ø)	110 x 215 mm without antenna 110 x 410 mm with antenna
Weight	2.6 kg (with disposable batteries)
Material	aluminium, anodised

<b>Certificates</b>	
Certificate	depends on model CE, FCC, IC
Marking	depends on model contains: FCC ID: WSP860221 IC: 7994A-860221

<b>Device elements</b>	
Display	LCD, transfective, 7-digit, 96 segments
Signal light	6 LED (rotating)
Interface	sturdy, non-twist, coded sockets for: – charging / external power supply – microphone – headphones (phone jack 6.3 mm)
Memory	40 min signal memory
Processor	signal processing: 24 bit DSP data processing: microcontroller
Operation	membrane keypad with 6 keys

<b>Operating conditions</b>	
Operating temperature	-10 °C – +40 °C
Storage temperature	-20 °C – +60 °C
Humidity	5 – 95 % r.h., non-condensing
Protection rating	IP64
Permitted operating environments	in air
Non-permitted operating environments	underwater in potentially explosive areas
Normal position of use	vertical

<b>Power supply</b>	
Power supply	4 cells, type: mono D, either: - rechargeable batteries: NiMH - disposable batteries: Alkaline or externally via charging cable/charger
Operating time, typical	rechargeable batteries: 8 – 20 h (depending on type) batteries: > 25 h
Operating voltage	5 – 6 V
Charging time	3 – 7 h (depending on type)
Charging temperature	0 – 40 °C
Charging voltage	12 V
Charging current	2.1 A
Charger	LD30-10000
Nominal capacity	4 – 12 Ah (depending on battery type)

<b>Data logging</b>	
Filter	various filters for audio transmission
Sampling rate	12 kHz

<b>Data transmission</b>	
Transmission frequency	depends on model DECT (1.88 – 1.9 GHz) 2.4 GHz
Radio range	> 800 m (free line-of-sight at height of 1 m)
Transmission bandwidth	0 – 5 kHz
Communication	bi-directional radio data
Power	100 mW

<b>Additional data</b>	
Attachment option	removable wrist strap, stand
Transport	different system cases (ZD40-10000, ZD32-10000)

<b>Assignment</b>	
System components of	SeCorr 300 system
For use with	EM 300, HY 300
Included with	radio transmitter RT300-x device set

106796 – 12-07-2013 – Subject to technical changes.