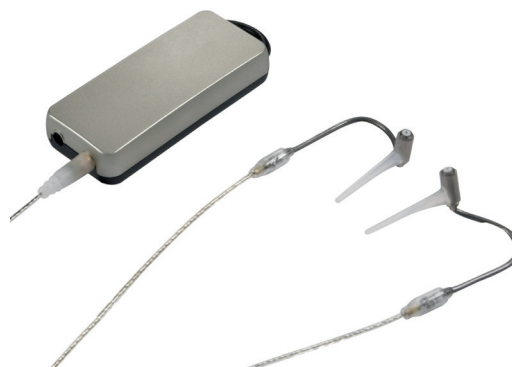


# iSense Classic

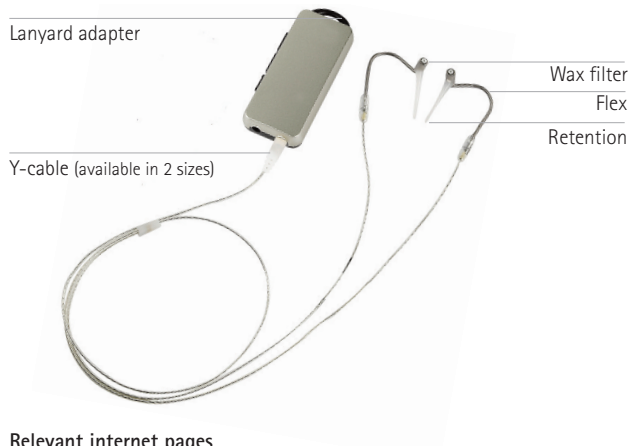
## Technical Data

### iSense Classic features

- Dynamic FM
- iSense Classic housing color: Beach
- On/off switch
- Volume toggle switch
- Cable for binaural listening
- Flexible, left/right compatible wearing concept for comfortable and secure wearing
- Green/orange LED for volume control indication and battery status information
- Adapter for the lanyard wearing option
- Automatic frequency Synchronisation (AFC) with WallPilot
- Direct frequency synchronization (DFS)
- Fully programmable with FM SuccessWare 4.2 or higher
- Compatible with **inspiro** and other Phonak FM transmitter



**iSense Classic** is a trendy, mini-style, state-of-the-art FM receiver which also includes Dynamic FM, the new global FM standard from Phonak. iSense Classic has various wearing options: like an MP3 player, lanyard style or in-the-pocket. A thin cable brings the signal to the listener's ears.



### Relevant internet pages

Your online comprehensive FM support tool for schools  
[www.eSchoolDesk.com](http://www.eSchoolDesk.com)

Latest set-up tips for FM systems in combination with hearing instruments and Cochlear implants.  
[www.phonak.com/FM\\_Configurator](http://www.phonak.com/FM_Configurator)

Your online FM knowledge base  
[www.FMELibrary.com](http://www.FMELibrary.com)

Your online FM counseling support tool  
[www.FMCounselWare.com](http://www.FMCounselWare.com)

# iSense Classic

## General data

Type:	Dynamic FM receiver
Length:	66 mm
Width:	29 mm
Height:	12 mm
Weight (without lanyard):	26 g
Cable connector:	Stereo Jack 2.5 mm
Operating temperature range:	-10°C – +60°C

## HF characteristics

Frequency range:	169.4 – 176 MHz (H-band) 214 – 220 MHz (N-band)
Frequency:	Multi-channel, quartz stabilized
Frequency stability:	Better than +/-10ppm
Modulation:	FM (narrow band) Max. frequency deviation $\Delta f = 8\text{kHz}$
Antenna:	Built-in magnetic antenna
Sensitivity at E = 3mV/m:	SINAD $\geq 15\text{ dB}$
Selectivity at $\Delta f_{\text{RX}} = \pm 125\text{kHz}$ :	$> 50\text{ dB}$

## Power management

Battery:	Lithium Polymer 3.7V DC
Capacity:	250 mAh
Operating time:	$> 10\text{ hours}$
Charging time:	100% charged in 2 hours, 80% charged in 1 hour
Charging connector:	Internal diameter 1.1 mm, external diameter 3 mm, inner pole positive
Charging voltage:	7.5 V DC (260mA)
Charging temperature range:	0°C to +40°C

## Standards

Radiocom:	EN 300.422
EMC:	EN 301.489 FCC

## Audio characteristic

Frequency Bandwidth	100 – 5800 Hz
Total harmonic distortion	$< 3\%$ @ 1kHz

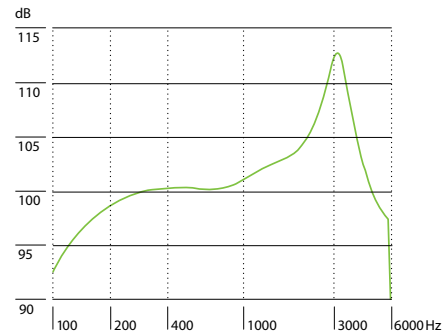
### Ear simulator data

Max. output sound pressure level (Input 4kHz FM deviation)

#### Frequency response

— Max. gain (Input 4 kHz FM deviation)

Maximum 113 dB SPL



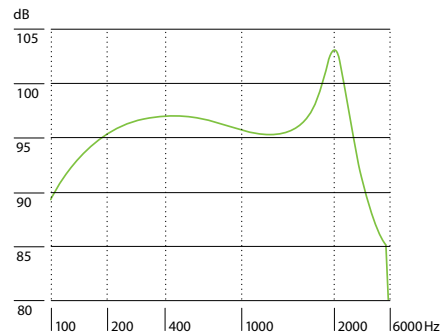
### 2 cm<sup>3</sup> coupler data

Max. output sound pressure level (Input 4kHz FM deviation)

#### Frequency response

— Max. gain (Input 4 kHz FM deviation)

Maximum 103 dB SPL



## Dynamic FM System data for inspiro and Dynamic FM receivers

### Adaptive FM Advantage (AFMA): (Ambient noise level $\geq 73\text{ dB SPL}$ )

Additional output gain: 15 dB

### Voice Activity Detection (VAD):

Attack time:	5 ms
Hold-on time:	5 seconds
Release time:	2 seconds
Voice off attenuation:	-26 dB

### Wireless sub-audio datalink

Frequency range:	Above the audio band
Operating range:	As FM operating range

### Wireless programming, monitoring and setting of FM Advantage:

FSK Link:	Frequency 40.96 kHz / Data rate 1000 – 2000 Bit/s Link from the <b>inspiro</b> to the receivers
OOK Link:	Frequency 8.192 kHz / Data rate 1024 Bit/s Link from the receivers to the <b>inspiro</b>
Operating range:	20 cm / 8 inches

### MultiTalker Network\*:

Digital network for up to 10 Speakers
Frequency: 2.4 GHz / Data rate 2 Mbits/s
Operating range between the <b>inspiro</b> transmitters: 8 m

\* Also available if **inspiro** is used with traditional FM receivers.