ISOtunes FREE AWARE EN 352

Model: IT-16

Color: Safety Yellow

Product: Noise-isolating in-ear hearing protection device with Bluetooth connectivity for music and phone calls. Featuring level-dependent Aware Technology™ for enhanced situational awareness and communication. This ultra-lightweight true wireless design is dust, sweat, and water proof.

Applications: Designed for professionals who work in variably loud environments and prefer hearing protection that is lightweight and cordless. Ideal for those who need to communicate or hear their environment while wearing earplugs. Those who work in tight spaces or wear restrictive PPE may find the true wireless design safer and more convenient.

Standards and Approvals: This product has been tested and approved to ANSI S3. 19-1974, EN 352-2:2020, EN 352-7:2020, EN 352-9:2020, and EN 352-10:2020 standards. It also complies with FCC, CE RED, RoHS, and WEEE requirements.

NRR = 25 dB **SNR =** 32 dB

NRR Table (Short Eartips)

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Grand Mean Attenuation (dB)	30.7	28.3	33.7	33.5	32.9	33.9	35.9	40.1	42.7
Standard Deviation (dB)	5.0	3.4	5.0	3.3	2.5	2.4	4.3	2.6	2.1

NRR Table (Tall Eartips)

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Grand Mean Attenuation (dB)	29.4	28.4	33.4	33.0	32.2	35.6	40.0	44.6	45.0
Standard Deviation (dB)	4.7	3.6	4.3	3.9	3.0	3.6	5.2	3.4	2.8

The Next Generation of Hearing Protection™

SNR Tables (Short Eartips)

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mf (dB)	26.4	30.5	33.5	33.8	32.8	37.1	41.6
Sf (dB)	3.4	3.3	4.6	4.9	2.7	4.6	4.4
APVf	23.0	27.2	28.9	28.9	30.1	32.5	37.2

SNR	32 dB
H	32 dB
M	30 dB
L	28 dB

SNR Tables (Tall Eartips)

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mf (dB)	28.5	31.8	34.9	34.6	33.4	40.2	45.2
Sf (dB)	4.2	4.0	5.1	5.1	3.6	4.4	3.5
APVf	24.3	27.9	29.8	29.6	29.8	35.8	41.7

SNR	33 dB
H	32 dB
M	31 dB
L	29 dB

TECHNICAL SPECIFICATIONS

FEATURES:

- **Aware Technology**™ offers level-dependent hearing protection to enhance user's safety and situational awareness.
- **SafeMax**™ **Technology** delivers exceptional audio quality while limiting the volume output to 79 dBA.
- **True Wireless** design.
- **2 Hr Auto Power Off** when not connected to Bluetooth for battery life conservation.
- **Background Noise-Reducing Microphone** for clear calls in loud environments.
- **IP67** dust, sweat and water proof.

ACCESSORIES:

- 3 pairs of Short TRILOGY™ Foam eartips in 3 sizes (S/M/L)
- 3 pairs of Tall TRILOGY™ Foam eartips in 3 sizes (S/M/L)
- 1 pair of silicone triple flange eartips*
- Charging case with lanyard
- USB - C charging cable
- Replacement accessories are available

*Silicone eartips are NOT tested for NRR or SNR and are not recommended for use in noisy environments.

BLUETOOTH:

- **Version:** 5.2
- **Profiles Supported:** HSP, HFP, A2DP, AVRCP
- **Range:** Up to 10 meters/30 feet
- Supports Bluetooth battery level indicator

TECHNICAL SPECIFICATIONS CONTINUED

BATTERY:

- Built in rechargeable 3.7 volt lithium-ion battery
- **Charging Voltage:** 5 volts DC**
- **Charging Time:** 2 hours***
- **Music Playback / Talk Time:** 13 hours*** (plus 30 more hours*** in the charging case)
- **Standby Time:** 60 hours***
- **Number of Batteries:** 3
- **Earbud Battery Weight:** 2.5 g (each)
- **Earbud Battery Capacity:** 85 mAh (each) or 0.1665 Wh (each)
- **Charging Case Battery Weight:** 8.5 g
- **Charging Case Battery Capacity:** 500 mAh or 0.1554 Wh

**Only use a charge of 5 volts/1 amp output maximum. Using a charger higher than 5 volts/1 amp output could be dangerous and may damage the headset.

***Times may vary depending on usage.

SHIPPING:

- **Earbud Weight:** 8 g (each)
- **Charging Case Weight:** 50 g
- **Total Product Weight (Earbuds + Case):** 66 g
- **Packaged Dimensions:** 17.8 x 11.0 x 4.5 cm
- **Packaged Weight:** 251 g
- **Inner Carton Quantity:** 10 units
- **Inner Carton Dimensions:** 24.9 x 23.6 x 20.6 cm
- **Inner Carton Weight:** 2.8 kg
- **Outer Carton Quantity:** 4 inner cartons (40 units)
- **Outer Carton Dimensions:** 52.8 x 50.2 x 23.4 cm
- **Outer Carton Weight:** 12.2 kg

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