

PRODUCT INFORMATION AMIGO T30/T31

A professional FM system

The Amigo T30 and T31 body-worn FM transmitters are designed for educational purposes. Teachers and audiologists seeking ease of use and reliability will find this with Amigo T30/T31 - designed to meet real life demands.

Keeping it simple

Amigo T30/T31 offers full programming and fitting capabilities in the palm of your hand, as the T30/T31 also doubles as a programmer. With the built-in FM Channel Wizard, the hassle of channel management is made simple; and with the multiple microphone options and wearing options, Amigo T30/T31 is a very user-friendly solution.

Hearing more speech

Amigo's 8.5 KHz bandwidth is broader than other FM ear level systems and while some FM systems use vital high frequencies for data transmission, Amigo uses every bit of bandwidth on transmitting speech, including key high-frequency speech cues.

Verification you can trust

- Amigo makes it easy to comply with the latest Hearing Assistive Technology verification guidelines
- Amigo does not alter the receiver gain, so audiologists can trust the signal to remain stable.

Inspiring confidence

With built-in LEDs in both Amigo receivers and transmitters, teachers can be certain that Amigo is working properly. Teachers can also feel confident that the FM signal will remain stable, as the extremely robust transmission keeps the risk of drop-outs to a minimum.

Built to last

The T30/T31 are built to withstand rough handling in classrooms. From the exterior casing to the internal components, Amigo is the toughest FM solution ever made.

Amigo is built to:

- Withstand accidental dropping
- Repel moisture
- Offer fail-safe recharging

User features

- 8.5 kHz bandwidth
- Multi-channel
- Wireless synchronization
- One touch mute
- One-touch Team teaching (T31)
- Auxiliary audio input
- Built-in antenna (no auxiliary antenna needed)

Programming features

- Wireless programming of Amigo receivers
- Integrated programmer
- Programmable display name
- FM-gain adjustment 0-30 dB
- Multiple languages
- Programmable channel list
- FM Channel Wizard for proactive channel management



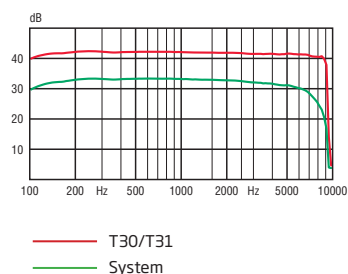
Standard Accessories

- AA NiMH battery (2500 mA)
- Audio cable
- USB AC/DC charger
- Monitor earphones
- Omni-directional lapel microphone

Optional accessories

- Directional lapel microphone
- Boom mini microphone
- Skins in 10 different colors

FREQUENCY RESPONSE



Technical data - Microphone and Transmitter

Dimensions	81 x 51 x 30 mm/ 3.2 x 2 x 1.2 in
Weight	117 g/ 4.13 ounces
Power supply	1 NiMH rechargeable battery AA or 1 disposable battery AA.
Battery drain	180 mA when on
Battery life	10 hours
Charging time	First time charging of a new battery is 14 hours. Charge 10 hours for 10 hours of use. Oticon recommends to change rechargeable batteries once a year, as the charge efficiency degrades over time.
Operating frequencies (country dependent)	169-178 MHz
One model covers all bands	180-188 MHz 216.00-218.00 MHz (US/North America)
Programming frequency	3.7 MHz
RF output	+6 dBm/+0.8 dBm erp. with lapel microphone, dependent on country selection
Channel selection	The Amigo T30/T31 have frequency synthesis. Press and hold either the ▲ button or the ▼ button for two seconds to select a channel from the predefined lists.
Recommended channel spacing	150 kHz
Type of modulation	Analogue FM (narrowband), $\Delta f = 5$ kHz
Antenna type	The FM antenna is built into the microphone cord.
Microphone sensitivity	2 mV @ 1 kHz for 100% modulation, $\Delta f = 5$ kHz
Microphone power	1.5 V, $R_L = 2$ k Ω
Color	The Amigo T30 and T31 are standard in white front with black.
Emissions	T30 and T31 are in compliance with all relevant standards.
Intended climate conditions	0-50°C (32-86° F)
FM range	15 to 30 m (45-100 ft)
Audio bandwidth	100 Hz-8.5 kHz
Programming range	50 cm/20 in (R1/R2/R7/R12)
SNR	50 dB
Distortion	THD < 2 %