

# ITEC MICROPHONES

WIRED AND WIRELESS MICROPHONES



 **ITEC**<sup>®</sup>  
itec-audio.com



Designed and Manufactured by  
ITEC Tontechnik und  
Industrieelektronik GesmbH  
8200 Gleisdorf, Laßnitzthal 300  
Austria / Europe

# ITEC MICROPHONES

## SPECIFICATIONS

### The first powerful element of the ITEC Philosophy of sound

What are microphones? Microphones are sound transformers. That means that the received acoustic event – sound waves – is transformed into a more or less authentic electrical signal. The process is comparable to a loudspeaker – only reversed. Sound engineering categorizes two main types of microphones regarding their transformation technique: dynamic microphones and condenser microphones.

ITEC high-quality microphones exclusively are electret condenser microphones. This transformation technique offers many advantages as compared to the aged dynamic microphones:

- significantly greater speaking distance while maintaining accurate sound
- higher resistance against acoustic feedback
- allowance for elegant design due to a much smaller size of the microphone capsule

## Wired microphones

### Gooseneck microphones

*for speech, choir or stage recordings*

Page 3

### Microphones

*for music, singing and moderation*

Page 4

## Wireless microphones

### Special microphone - wireless altar microphone

Page 5

### Receiver, handheld transmitter, bodypack transmitter

*for absolute freedom of movement!*

Page 6-10

## Accessories

*Antennas, stands, cables*

Page 11

# ITEC MICROPHONES

## WIRED MICROPHONES

ITEC Gooseneck microphones PA7-series The superlative for conferences, speeches, podium discussions...

You can choose from three different lengths for your installations to ensure optimal speaking distance. Furthermore, the highly flexible gooseneck allows the speakers to adjust the microphones during use without causing any irritating noise. The provided wind shield eliminates disturbance resulting from very small speaking distances or wind during outdoor use.

The PA7 series is equipped with a top-of-the-line electret condenser capsule that has a cardioid polar pattern. The phantom power module with symmetrical output transformer is integrated into the connector (XLR/M). Phantom power may range from 9-52V at 200 Ohm impedance.



### ITEC PA7

A top class electret condenser microphone, cardioid polar pattern, XLR/M connector with integrated phantom power module for 9-52 Volt phantom power, 200 Ohm impedance, max. SPL 132dB, matt black finish, length 300 mm.

### ITEC PA7A

A top class electret condenser microphone, cardioid polar pattern, XLR/M connector with integrated phantom power module for 9-52 Volt phantom power, 200 Ohm impedance, max. SPL 132dB, matt black finish, length 550 mm.

### ITEC PA7B

A top class electret condenser microphone, cardioid polar pattern, XLR/M connector with integrated phantom power module for 9-52 Volt phantom power, 200 Ohm impedance, max. SPL 132dB, matt black finish, length 670 mm.

*any model is also available in white color!*

## SPECIFICATIONS

Type	ITEC PA7	ITEC PA7 WH	ITEC PA7A	ITEC PA7A WH	ITEC PA7B	ITEC PA7B WH
Maximum sound pressure level	132 dB SPL					
Frequency range	30 - 20.000 Hz					
Total length	300		550		670	
Colour	black	white	black	white	black	white

# ITEC MICROPHONES

## MICROPHONES

Different tasks require adapted solutions. This section will show you a collection of microphone solutions for special purposes and singing.

### ITEC Vocal microphone

#### EM-300

The EM-300 is a universally applicable electret condenser microphone with a cardioid polar pattern. In addition to its attractive, solid design, its outstanding audio performance is particularly impressive. The EM-300 is ideal for live applications in the music industry, as well as for studio recordings of instruments and vocals. It impresses with its high feedback resistance, large speaking distance, and good speech intelligibility for speeches and presentations.



### ITEC Boundary microphone

Wherever microphones need to be „invisible“ for architectural or liturgical reasons, the use of boundary microphones is recommended. We offer a selection with two different polar patterns: omnidirectional for recording purposes in conference rooms and unidirectional for „live“ applications, such as on stage or on altars in churches.



### ITEC Hanging microphone

Hanging microphones are a good choice for choir or stage recordings. Our models have a cardioid or hypercardioid polar pattern and allow for recording of speech and singing from a wide area. These microphones are also focused on professional recordings in theatre and broadcasting.



### ITEC Altar microphone

A special model is white and is equipped with an elegant little white table stand, intended for discreet use in church.



# ITEC MICROPHONES

## SPECIAL MICROPHONE - WIRELESS ALTAR MICROPHONE

Avoid compromises - wireless aesthetics for your altar

The elegant design with state-of-the-art technology is complemented by the clear yet warm sound of the condenser microphone. Wireless charging technology and a reliable wireless receiver are just some of the advantages of our altar microphone. The wireless altar microphone can be used immediately and anywhere without any major assembly.

Supplied as a set with a matching wireless receiver, induction charging cradle, and detailed installation instructions.



- Elegant condenser microphone, black or white available in various lengths
- Clear yet full-bodied sound
- Highly resistant to feedback
- Modern wireless charging cradle
- UHF radio system with excellent range
- LED indicators
- Unobtrusive ON/OFF switch
- No annoying cables
- Future-proof and sustainable thanks to state-of-the-art technology
- In-house production ensures long-term, competent service
- Base color: white

### TABLE TRANSMITTER - SPECIFICATIONS

Supply voltage	3000 mAh lithium-ion battery
Operating time	approx. 20 hours
LED indicator for battery status	green / green-red / red
Power supply	power supply
Automatic shutdown	after 2 hours
Charging cradle	Qi charger
Charging time	max. 10 hours (max. charging current: 300 mA)
Charging status indicator	LED
Weight including microphone	0.48 kg
Dimensions	Base diameter: 15 cm Base height: 2.4 cm



# ITEC MICROPHONES

## OVERVIEW - WIRELESS MICROPHONES

ITEC wireless microphones - professional and absolutely layman-proof!

The ITEC wireless microphone systems are simply outstanding in terms of sound, dynamics, resistance to disturbance and operating range. And that's not all. Here are some more qualities you should consider when acquiring a wireless microphone system:

- Layman-proof operation: A single power switch at the hand held transmitter with battery status LEDs
- Extremely long operation – up to 20 hours on a single set of batteries
- Optional charging stations for hand held and pocket transmitters to provide non-stop operation in schools and universities
- Receiver modules available in 19 inch and pocket size - for combined operation of mobile systems
- Receiving range 250m and more if using additional antennas



VHF-716-A



UHF-5300/5320



UHF-6000

# ITEC MICROPHONES

## VHF WIRELESS MICROPHONE SYSTEM (FREQUENCY 232 - 250 MHz)



ITEC Handheld transmitter  
WM-716-A

Electret condenser microphone with cardioid polar pattern, 8-channel switchable, adjustable capsule sensitivity. On/off switch, battery level indicator (green/red LED), includes 1 set of batteries and carrying case.



ITEC Pocket transmitter  
WT-716-A

8-channel switchable, for use with a clip-on microphone, headset, or as a transmitter for the ITEC MC-12 wireless transmission system. On/off switch, battery level indicator (green/red LED), Including 1 set of batteries



ITEC Receiver module  
SDR-716M-A

VHF diversity receiver, 8-channel switchable, compact module assembly for installation in mobile ITEC loudspeaker systems, including antenna system



ITEC Receiver  
SDR-2716-A

VHF diversity receiver, 8-channel switchable, designed as a system component for installation in a 19" rack (1/2 19"), including telescopic antennas and power supply.

## ACCESSORIES



Charging station HC-92

Dual charging station with LED status display for charging two WM-716-A handheld microphones and two WT-716-A bodypack transmitters (mixed use possible). Includes power adapter and two AA batteries.



19" Mounting set FB71-A  
for 1 piece SDR-2716-A



19" Mounting set FB72  
for 2 pieces SDR-2716-A

# ITEC MICROPHONES

## UHF WIRELESS MICROPHONE SYSTEM (FREQUENCY 470 - 694 MHz)



### ITEC Handheld transmitter WM-5300 / WM-5320 AKKU

Professional UHF handheld transmitter with interchangeable electret condenser capsule and cardioid polar pattern. LCD display with channel and battery status indicator, lockable on/off switch, includes one set of batteries/3.7V lithium-ion battery (18500), and a carrying case.



### ITEC Pocket transmitter WT-5300 / WT-5320 ACCU

Professional UHF pocket transmitter for use with a clip-on microphone, headset, or as the transmitter in a wireless transmission system. LCD display with channel and battery status indicator, compact, lightweight miniature housing. Includes one set of batteries/3.7V lithium-ion rechargeable battery.



### ITEC Receiver module MR-5300

Professional UHF diversity receiver, designed as an open-frame module for installation in mobile ITEC loudspeaker systems, including antenna system.



### ITEC Receiver / Dual receiver SR-5300 / DR-5300

Professional UHF diversity receiver / dual receiver, designed as a system component for installation in 19" racks, including 2 antennas and power supply.



### ITEC Transmitter module MT-92

UHF built-in transmitter in modular design

## ACCESSORIES



### Charging station HC-80

Dual charging station for charging two WM-5300 handheld microphones, WT-5300 bodypack transmitters, or 18500 lithium-ion batteries (mixed use possible, e.g., one handheld microphone and one bodypack transmitter). LED status indicator. Compact, stackable design. Includes wall-mounted power supply.



19" Mounting set FB71  
for 1 piece SR 5300 und DR 5300



19" Mounting set FB72  
for 2 pieces SR 5300 and DR 5300

# ITEC MICROPHONES

## UHF WIRELESS MICROPHONE SYSTEM

(FREQUENCY 739 - 752 MHz and FREQUENZ 823 - 832 MHz)



ITEC Handheld transmitter  
WM-6000

Professional UHF handheld transmitter. LCD display with channel and battery status indicator, on/off switch, robust, ergonomically designed housing, includes one set of batteries and carrying case.



ITEC Pocket transmitter  
WT-6000

Professional UHF bodypack transmitter for use with a clip-on microphone, headset, or as a transmitter in a wireless transmission system. LCD display with channel and battery status indicator, compact housing, includes one set of batteries.



ITEC Receiver module  
SDR-6000M

Professional UHF diversity receiver, designed as an open-frame module for installation in mobile ITEC loudspeaker systems, including antenna system.



ITEC Receiver  
SDR-6000

UHF diversity receiver, designed as a system component for installation in a 19" rack (1/2 19"), including antennas and power supply.

## ACCESSORIES



19" Mounting set FB71-A  
for 1 piece SDR-6000



19" Mounting set FB72  
for 2 pieces SDR-6000

# ITEC MICROPHONES

## WIRELESS MICROPHONE ACCESSORIES



### MC-210 lavalier microphone

Microphone capsule including mounting clip and connection cable for the ITEC WT-716-A, ITEC WT-5300 or WT-6000 bodypack transmitter, very good recording quality / cardioid characteristic.



### MI-Headset

skin-colored, ultra-light, very comfortable to wear, omnidirectional



### PRO-Headset

Beige headset with 4.5 mm condenser microphone (omnidirectional). Can be used on the left or right, adjustable in length and height, and sweat-resistant.



### Ground Plane Antenna (VHF) for SDR-2716-A

External antenna system for even better reception and greater range, including 3 m coaxial connection cable and wall bracket.

### Ground Plane Antenna (VHF) for outdoor

External antenna system for outdoor installation, including wall bracket.



### Active spherical antenna (UHF)

with built-in reception booster. Can be used with transmitters and receivers (470 MHz-1000 MHz), including bracket.

### Directional antenna active (UHF)

with built-in reception booster. Can be used with transmitters and receivers (470 MHz-1000 MHz), including bracket.

# ITEC MICROPHONES

## MIKROPHONE ACCESSORIES

### Clamps



#### Clamp for wireless handheld microphones

Fits the ITEC WM-716-A, WM-5300, and WM-6000 handheld microphones

### Stative



#### UHB Microphone shoulder strap

Practical neck strap for handheld microphones, speaking distance and microphone tilt can be adjusted.



#### ITEC BS/SH

Microphone floor stand for gooseneck microphones. Black, with height-adjustable steel tube, including inner tube cabling and a 5 m connection cable with XLR connector. Available with or without switch.



#### ITEC BS/3

Microphone floor stand for handheld microphones. Tripod, black, including adjustable boom arm. 3/8" connection thread for microphone clamp.



#### Table stand for handheld microphones

Cast stand with extension and 3/8" connection thread for microphone clamp.



#### ITEC DS2

Microphone table stand for gooseneck microphones. Cast iron stand without switch, weight: 0.8 kg.



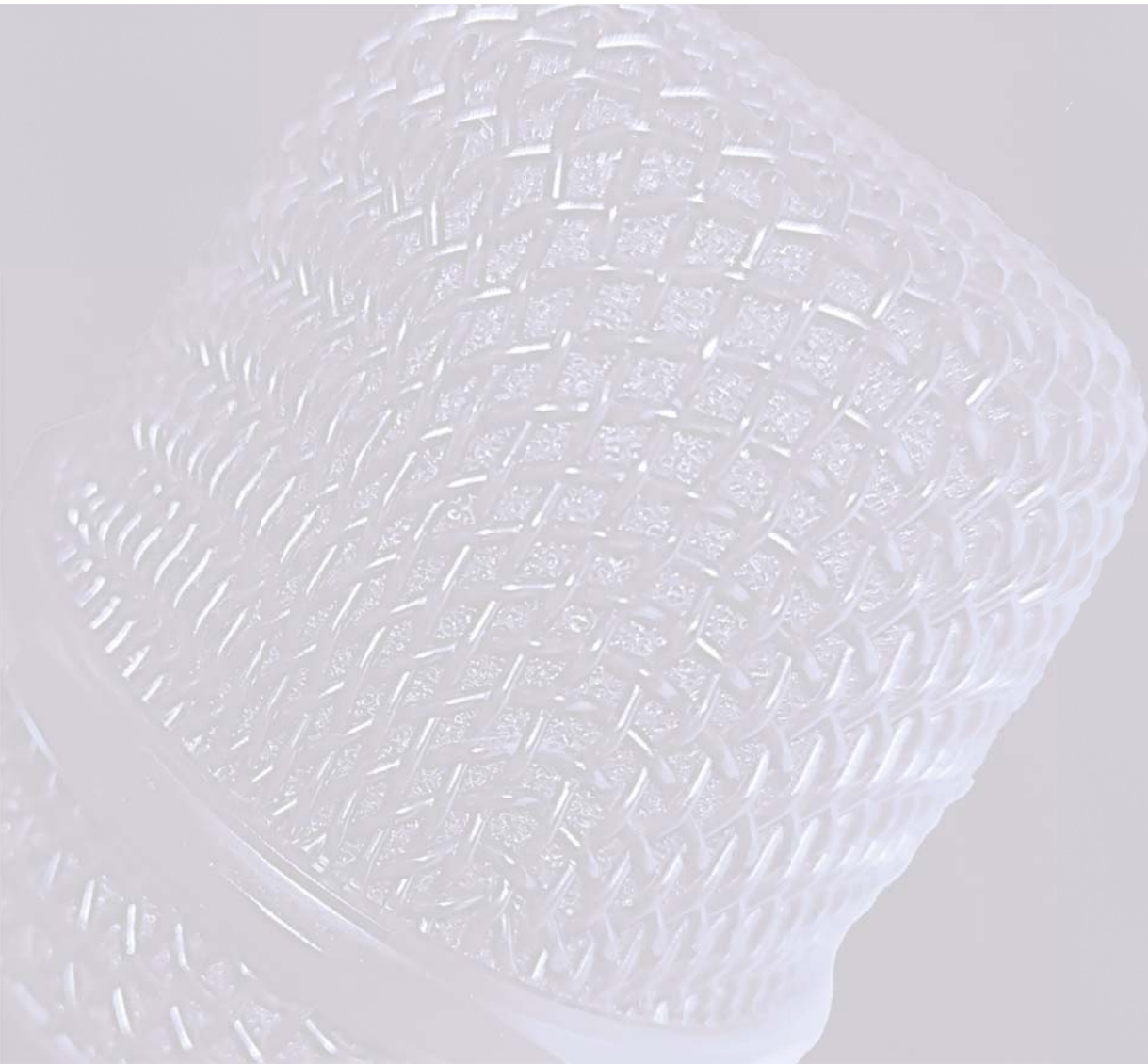
#### Helvia B200S/SW-LED Microphone table stand

For gooseneck microphones. Cast-iron microphone stand with silent on/off switch, including status LED and Neutrik XLR connector. Weight: 0.4 kg.



#### Designer table stand, white

Microphone table stand for gooseneck microphones. Specially designed cast iron stand with attached 3 m cable. Weight: 0.85 kg.



ITEC- Tontechnik und Industrieelektronik GesmbH, A-8200 Gleisdorf, Lassnitzthal 300  
Tel.: +43 (0)3133 / 3780-0, [office@itec-audio.com](mailto:office@itec-audio.com), [www.itec-audio.com](http://www.itec-audio.com)