DTP 640 REX

REFERENCE CLASS DUAL ELEMENT MICROPHONE

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Thanks to variably controlled dual element technology and finely tuned frequencies, our flagship among drum microphones, the DTP 640 REX, offers unparalleled and balanced high quality sound that will delight professional drummers and sound engineers alike. The DTP 640 REX is equipped with a high quality dynamic element and condenser element – the dynamic element ensures accurate reproduction of the bass drum kick, while the condenser element optimally captures the rich low frequency sound of the drum's shell. In order to guaranty full control over the increase in sound of the two elements, they can be separately mixed on their own channels.

In 2012, the DTP 640 REX offers two more features. The dynamic element emphasizes frequency ranges relevant for the kick drum in the 'Dynamic Enhanced Frequency Response' setting switchable right on the microphone, while the condenser element captures the sound neutrally.

With 'Three settings, switchable 'Enhanced Frequency Response'', the character of the sound can be shaped even more individually – with this setting, the condenser element focuses on frequencies from 70 to 150 Hz and delivers a full body sound. The dynamic element provides the necessary power by focusing on the range between 3 and 5 kHz.

The combination of these features with the comprehensive tonal freedom of dual-element technology greatly increases the range of use, making the DTP 640 REX into a universal tool for bass-heavy applications.

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PRODUCT DETAILS

KEY FEATURES

- Innovative dual element design (dynamic and back-electret) ensures a highly balanced powerful drum sound
- Frequency response optimized for kick drum applications
- Switchable 10 dB and 20 dB pre-attenuation pad
- Three settings, switchable 'Enhanced Frequency Response'
- Ruthenium-galvanized, hexagon steel-mesh grill
- Integrated microphone stand and compact design for easy and fast setup
- Gold-plated 5-pin XLR output connector
- Comes in a cardboard box with foam layers; includes DTP 40 Trs cable and DTP 40 Lb leather bag
- Top applications: Bass instruments, Live applications, Recording

SPECIFICATIONS

Acoustical operating principle	dynamic, moving coil Condenser, permanently polarized
Transducer Ø (dynamic)	31,7 mm (1,25 inch)
Transducer Ø (condenser)	22,4 mm (0,88 inch)
Directional pattern	cardioids, condenser and dynamic
Frequency range	20-16.000 Hz, dynamic
Frequency range	20-20.000 Hz, condenser
EFR, 'Enhanced Frequency Response' settings	=//= FFR, 'Flat Frequency Response' +//= Dynamic EFR, 'Dynamic Enhanced Frequency Response', +//+ Dual EFR, 'Dual Enhanced Frequency Response'
Sensitivity, =//= FFR	0,4 mV / Pa (-69 dBV) dynamic , 2 mV / Pa (-54 dBV) condenser
Sensitivity, +//= Dynamic EFR	0,4 mV / Pa (-69 dBV) dynamic, 2 mV / Pa (-54 dBV) condenser

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Sensitivity, +//+ Dual EFR	condenser and dynamic matched at 1 mV / Pa (-60 dBV)
Equivalent noise level	28 dB-A (IEC 61672-1), condenser, FFR
Dynamic range of mic. amp.	122 dB-A, condenser
Max. SPL for 0,5 % THD	150 dB, 0 dB pre-attenuation / 160 dB, 10 dB pre-attenuation / 170 dB, 20 dB pre-attenuation
Pre-attenuation pad	10 dB, 20 dB, switchable
Rated impedance	< 500 ohms, dynamic - < 200 ohms, condenser
Supply voltage	48 V + / - 4 V (IEC 61938)
Current consumption	2 mA (IEC 61938)
Connector	gold plated 3-pin and 5-pin XLR
Cable	1,5 m (4,95') dual shielded Y-cable, 5-pin XLR into two 3-pin XLRs
Dimension	71 dia. x 158 mm (2,8 dia. x 6,2 inch) 27,3 oz
Net weight	755 g (27,3 oz)

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