

INFRACOM®

Transmitter ICen IV



WPF06.4600.E.081204 BRÄHLER ICS is committed to continually improving its products and so reserves the right to make technical modifications without notice.

Description

The Compact Transmitter ICen IV is used within the INFRACOM conference system for the transmission of 8 audio channels by infrared light.

The audio signals are converted into frequency modulated infrared light and then transmitted with INFRACOM Radiators IRad, which are directly connected to the ICen IV. The original (OR) and up to 7 further languages can be simultaneously transmitted on different carrier frequencies (band IV) by narrow band frequency modulation.

The transmitted signals are received by the INFRACOM Receiver IRX32 and can be monitored with headphones.

With miniature-switches on the front panel the frequency band can be chosen and the channels can be switched ON or OFF. With a rotating switch it is possible to assign up to 32 transmission channels.

3 infrared transmitter diodes allow monitoring for the technician without radiators.

Eight green LEDs (INT) indicate the status of the interpreter channel.

LEDs on the front panel are indicating the operation mode: channel ON (red) and audio signal available (green).

Technical Data

The unit is complying with the international standard IEC914 and IEC61603-7.

Connections

- OR-IN (1 x XLR-socket) for input of the original language (OR)
- OR-OUT (1 x XLR-plug) for balanced output of the original language, adjustable (-14 ... +6)dBV/ 600Ohm
- LINE-OUT (8 x XLR-plug) AF outputs for audio recording
- IR-LINE (2 x BNC-socket)
 - 1: Connection for up to 10 INFRACOM radiators IRad
 - 2: Connection of up to 10 further INFRACOM radiators IRad
- RF-LINK (1 x BNC-socket) for cascading (RF) with further ICen IV
- INTERPRETER (2 x A36-socket) for connection of interpreter consoles

Features

- Green lighted mains switch for power ON indication
- Red LEDs for channel ON indication
- Green LEDs for Audio available (AF)
- Green LEDs for interpreter control

Transmission frequency: 1935kHz - 3175kHz (channel 31) in 40kHz steps

Intermediate frequency: 455 kHz

Measurements

- Distortion: < 0.2%
- Signal-to-noise ratio: > 70dB
- Channel separation: > 60dB

Power Supply

- Mains power: (90 ... 250)VAC, (50 ... 60)Hz
- Power consumption: 40VA max

Housing

- 19", 2 HE, Aluminium, "silver" anodized
- W x H x D: (433 x 88 x 305)mm

Weight

- 4.6kg

Accessories (not included in delivery)

- INFRACOM Radiator IRad
- INFRACOM Receiver IRX32
- INFRACOM Interpreter-Unit DOL7/x
- BNC Cable (50 Ohm), different lengths available