

ACCESSORIES FOR BUILDING ACOUSTICS

OMNIPOWER SOUND SOURCE TYPE 4296

This powerful sound source has 12 loudspeakers in a compact dodecahedral enclosure. It radiates sound omnidirectionally as required by national and ISO standards. A lightweight, adjustable stand is included. A transport flight case is also available.

BRIEF SPECIFICATIONS

Standards

Conforms to the following: ISO 140-3, ISO 3382, DIN 52210

Power Handling

300 W continuous
1000 W short duration (duty cycle ¼0)

Operating Frequency Range

100 – 5000 Hz (½-octave band centre frequencies)

Sound Power Level

(with Power Amplifier Type 2716, bridge configuration, duty cycle ¼, 100 – 3150 Hz pink noise signal)

Broadband: 122 dB re 1 pW

Spectral: Min. 100 dB re 1 pW in each ½-octave band

Diameter

Speaker Enclosure: 35 cm (13.8")

Weight

Speaker Enclosure: 14 kg

(30.8 lb.)

Tripod: 2.4 kg (5.3 lb.)

Accessories Included

Tripod: Adjustable to give a speaker height of between 130 and 200 cm

Optional Accessories

KE 0365: Carrying Case for Type 4296

KE 0364: Carrying Case for Tripod of Type 4296

AQ 0622: 10 m Cable from Type 2716 to Type 4295, Type 4296 or equivalent



OMNISOURCE SOUND SOURCE TYPE 4295

OmniSource Sound Source Type 4295 presents a new solution to omnidirectional sound source design. OmniSource is optimised for the measurement of room acoustic quantities, such as reverberation time, sound distribution and spatial decay. The patented principle of OmniSource uses a single, high-power loudspeaker, radiating through a conical coupler to a circular orifice. Despite its compact dimensions and low weight, OmniSource is still capable of emitting a sound power of 105 dB re 1 pW.

BRIEF SPECIFICATIONS

Standards

Conforms to the following: ISO 140-3, ISO 3382, DIN 52210, ISO 14257 (Draft)

Operating Frequency Range

80 – 6300 Hz

Power Handling

50 W continuous

Accepts full power from Power Amplifier Type 2716, one channel, 80 – 6300 Hz pink noise

Sound Power Level

(with Power Amplifier Type 2716, one channel, 80 – 6300 Hz pink noise signal)

Broadband: 105 dB re 1 pW

Spectral: Min. 85 dB re 1 pW in each ½-octave band

Dimensions

Ø 145 × 56.0 cm (Ø 5.7 × 22")

Weight

3.5 kg (7.7 lb.)

Optional Accessories

KE 0392: Carrying Case for Type 4295

UA 0801: Tripod

AQ 0622: 10 m cable from Type 2716 to Type 4295, Type 4296 or equivalent



POWER AMPLIFIER TYPE 2716

Power Amplifier Type 2716 fits in a 19" rack or in Flight Case KE0358. It has two channels that can be used independently or jointly (using Bridging Cable AQ0667). Signals enter electronically balanced inputs via XLR and jack connectors. Total output power is around 300W and is relatively independent of load.

Extensive Protection

Power Amplifier Type 2716 has circuits that protect it against short circuits, DC, overheating, VHF and clipping (clip limiter can be switched off).

BRIEF SPECIFICATIONS

Maximum Output

8Ω stereo 100 W
4Ω stereo 150 W
8Ω bridged 300 W
4Ω bridged 320 W

Dimensions

W × H × D: 48.3 × 4.4 × 25.5 cm
(19.0 × 1.7 × 10.0")

Weight

7.5 kg (16.5 lb.)

Optional Accessories

KE0358: Flight Case



2716 mounted in KE0358

TAPPING MACHINE TYPE 3207

Tapping Machine Type 3207 is an impact sound generator. It can be used for impact sound measurements to national and international standards. Type 3207 uses five hammers each weighing 500 g operating at 2 Hz and dropping from a height of 40 mm, giving an operating frequency of 10 Hz. This fulfils national and international standards. The unit is powered via the supplied mains adaptor, or the optional battery kit. The unit can be remotely switched on and off with cable AQ0633 or Wireless Remote Control Option UA1476.

BRIEF SPECIFICATIONS

Standards: ISO 140, ISO 717, DIN 52210, BS 5821, ASTM E 492

Dimensions:

W×H× D: 471 × 227 × 14.1 cm
(18.5 × 8.9 × 5.6") (feet retracted)

Weight:

10 kg (22 lb.) with Mains Adaptor

Accessories Included

ZG0400: Mains Adaptor (mains cable country dependent)
2 Gauges for drop height adjustment
Oil canister for maintenance

Optional Accessories

AQ0633: 10 m Remote Cable for Type 2260 to Type 3207

UA1476: Wireless Remote Control for Type 3207 (includes AO1439 Cable for Type 2260)

UA1477: Battery Kit for Type 3207

QB0055: Replacement Battery for Type 3207



3207



3923

ROTATING MICROPHONE BOOM TYPE 3923

The rotating boom performs spatial averaging by moving the microphone in a circular path with a diameter of up to 2 m. The plane of rotation is adjustable in steps of 10 degrees. For information on how to connect to 2260 Investigator, please contact Brüel & Kjær.

SOUND SOURCE TYPE 4224

This powerful sound source has built-in power amplifier and noise generator. Its directional response and battery operation make it suited for special applications such as façade sound insulation. To connect to Type 2260 Investigator, use Cable AO0524.



4224