

# ABS SPHERICAL LOUDSPEAKER

GB20/T

## ARCHITECTS & ENGINEERS SPECIFICATION

The unit shall be the PENTON model GB20/T or equal and approved. The enclosure shall be manufactured in high impact ABS with UV inhibitors. Acoustic wave guides will be arranged horizontally around the enclosure to aid even sound distribution. The speaker assembly shall comprise of a 200mm twin cone drive unit. The drive unit will be covered with an acoustically transparent cover to match the cosmetics of the unit.

A 20 watt/100 volt line, factory fitted transformer shall provide 3dB power taps.

The unit will be suspended by a 3 metre factory fitted white braided cable tail and gland. The suspension cable will incorporate a steel braid capable of carrying a minimum of 10 times the weight of the loudspeaker. The steel braid will be used to support the total weight of the unit when installed.

The loudspeaker shall have a wide dispersion. The cone shall be a high compliance unit with a smooth extended frequency response.

<b>RATED POWER</b>	<b>20w</b>
<b>TAPPINGS 100v LINE</b>	<b>20/10/5/2.5w</b>
<b>EFFECTIVE FREQUENCY RANGE</b>	<b>80 - 18kHz</b>
<b>SPL @ 1w/m (TEST SIGNAL 100Hz - 10kHz)</b>	<b>94dB</b>
<b>DISPERSION AT 1k/2kHz</b>	<b>160/140 VERTICAL 360/360 HORIZONTAL</b>
<b>AXIAL Q FACTOR AT 1k/2kHz</b>	<b>4.3/4.7</b>
<b>COLOUR</b>	<b>WHITE</b>

All units to be tested in accordance with BSEN60268-5



**Penton UK Ltd**

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GB20/TC

## ARCHITECTS & ENGINEERS SPECIFICATION

The unit shall be the PENTON model GB20/TC or equal and approved. The enclosure shall be manufactured in high impact ABS with UV inhibitors. Acoustic wave guides will be arranged horizontally around the enclosure to aid even sound distribution. The speaker assembly shall comprise of a 200mm twin cone drive unit. The drive unit will be covered with an acoustically transparent cover to match the cosmetics of the unit.

A 20 watt/100 volt line, factory fitted transformer shall provide 3dB power taps.

The loudspeaker shall have a wide dispersion. The cone shall be a high compliance unit with a smooth extended frequency response.

The GB20/TC will be suitable for voice alarm applications and will be supplied with ceramic terminals to take 2 x 2.5mm<sup>2</sup> conductors and a thermal fuse rated at 150°. A 3m, 4 core fire rated cable tail will be fitted to ensure full compliance.

This loudspeaker must be compliant to BS5839 part 8 & EN60849.

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