

## FRS 10 WP 8 OHM (black)

**Art. No. 2101**

**Saltwater resistant 10 cm (4") full-range driver** with glass fibre cone, plastic basket and grille. Balanced frequency response, high efficiency and good high-midrange reproduction. Long time weather proved and therefore especially suited for out-door sound reinforcement systems, swimming pools, sauna and speaker for boats, ships and open vehicles. Also suitable for model boat applications. 120 °C temperature resistant.

**Typical applications:**

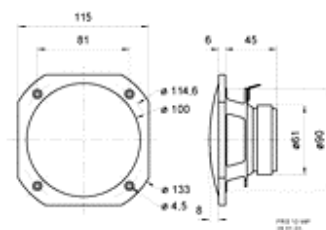
- Outdoor sound reinforcement systems
- Speaker systems for saunas
- Weatherproof network column speakers
- Boats, ships and open vehicles

**Attributes:**

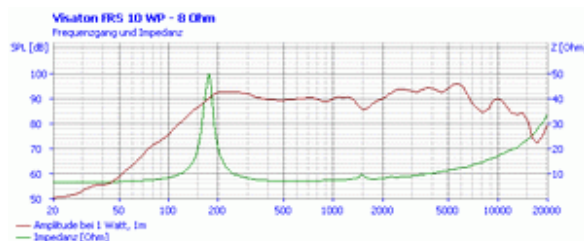
- seawater proof
- functionally at low temperature according to EN 60068-2-1 (-40 °C; 96 h)
- up to the standards of the Germanischer Lloyd (requirements for electrical equipment / low temperature)
- Plastic: PC (UL 94: V-0)
- ball-resistant

**Used in / Accessories:**

[TR 84](#)



sketch



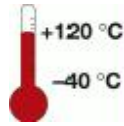
frequency response

**Technical Data:**

Rated power	25 W
Maximum power	50 W
Nominal impedance Z	8 Ohm
Frequency response	90–19000 Hz
Mean sound pressure level	90 dB (1 W/1 m)
Maximum cone displacement	6 mm
Resonance frequency fs	174 Hz
Magnetic induction	1,0 T
Magnetic flux	190 μWb
Height of front pole-plate	3 mm
Voice coil diameter	20 mm
Height of winding	5 mm
Cutout diameter	92 mm
Net weight	0,36 kg
D.C. resistance Rdc	6,4 Ohm



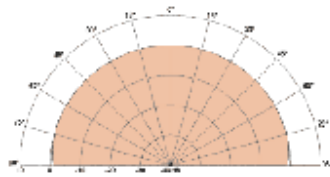
**IP 65**



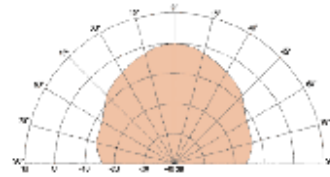
Mechanical Q factor Qms	7,6
Electrical Q factor Qes	1,12
Total Q factor Qts	0,98
Equivalent volume Vas	1,9 l
Effective piston area Sd	57 cm <sup>2</sup>
Dynamically moved mass Mms	3 g
Force factor Bxl	4,3 T m
Inductance of the voice coil L	0,2 mH
Protective system	IP 65
Heat resistance	-40 ... 120 °C
Colour	schwarz / black

**Similar Products**

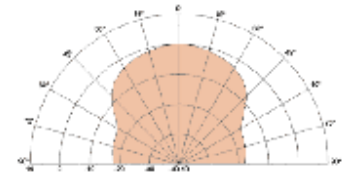
<a href="#">FR 10 4 OHM</a>	<a href="#">FR 10 8 OHM</a>
<a href="#">FR 10 F 4 OHM</a>	<a href="#">FR 10 HM 4 OHM</a>
<a href="#">FR 10 HM 8 OHM</a>	<a href="#">FR 10 WP 4 OHM (black)</a>
<a href="#">FR 10 WP 4 OHM (white)</a>	<a href="#">FRS 10 WP 4 OHM (black)</a>
<a href="#">FRS 10 WP 4 OHM (white)</a>	<a href="#">FRS 10 WP 8 OHM (white)</a>
<a href="#">R 10 S 4 OHM</a>	<a href="#">R 10 S 8 OHM</a>
<a href="#">R 10 SC 4 OHM</a>	<a href="#">R 10 SC 8 OHM</a>



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[radiation pattern 5000 Hz](#)



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