



Eton PRA 80

**PRICE-TIP**  
Midrange speaker  
**CAR & HiFi** 4/2024

# Affordable mid-range speaker

► After having tested the two-way component speakers from Eton's new PRA Series, today we look at the compatible PRA 80 mid-range speaker.

Eton's PRA Series is positioned some tens of euros under the volume series POW, and thus represents the entry-level series, so to speak. The two-way sets PRA 10, PRA 13 and PRA 16 impressed with their sound half a year ago, and so it seems logical for Eton to now bring out a compatible mid-range speaker to also make three-way fans happy with the Series. The PRA 80 costs 150 euros a pair, thereby representing one of the most affordable options for a three-way system. This small speaker is very well made. Its paper cone is naturally in the family look with crescent-shaped embossings to stiffen the cone structure. The basket is made of sheet metal and even has rear vent openings under the centering spider.

The spider itself is light and of the cup type, which means it works about a millimeter above the bonding plane. The driver is cleanly finished. Although the pole plate here is not finely machined, what we see here is cleanly stamped and in good condition. Inside is a 25 mm voice coil, which is absolutely appropriate for a mid-range driver.

### Measurements

From the start the PRA 80 impresses with its „mature“ behavior: no trace of entry-level class here! In front of the microphone it runs really well up to 10 kHz. Below the corner 6 kHz is easily possible, so that separation from tweeters of all kinds should not cause any problems. At the low end it is limited

by its resonant frequency, which at 136 Hz lies in the normal range for a three-inch driver. According to a rule-of-thumb it is usable upwards from 270 Hz, which again is nothing to worry about. Our distortion measurements in fact tell us that a few less hertz are possible, but they also quite clearly say that the PRA 80 is very level-proof. Its generously dimensioned voice coil gives it so much power handling capacity and its driver has a sufficiently long stroke to keep it clean even at very high levels. We measured the PRA up to 96 dB/1 m, without it dropping out badly. Even then it was still clean with only very little K2 above the 1% line—some 13 and 16-cm speakers cannot manage that.

### Summary

The PRA 80 is an absolute stunner! It runs almost faultlessly under all conditions and is much better than the price tag would suggest. Insider tip!

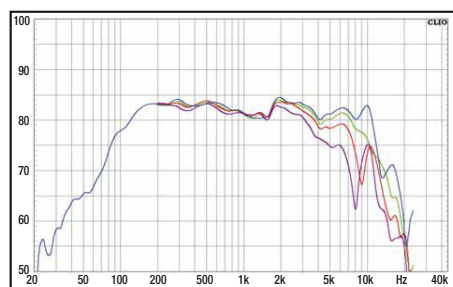
### Eton PRA 80

Price	about 150 Euro
Distributor	ACR, CH-5330 Zurzach
Hotline	info@eton-caraudio.com
Internet	www.eton-audio.com

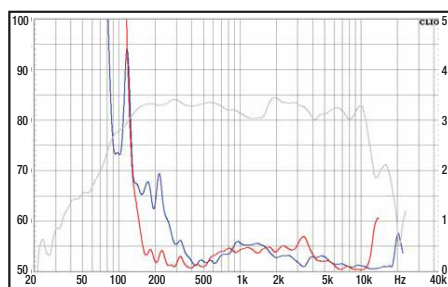
### Technical Data

Outer diameter	96 mm
Mounting diameter	75 mm
Mounting depth	39 mm
Magnet diameter	65 mm
Cone	paper
Voice-coil	copper
Voice-coil former	aluminum
Magnet	ferrite
Max. cut off frequency	7 kHz
Min. cut off frequency	200 Hz
Weight	403 g
Other	grills

Nominal impedance	4 ohms
DC resistance Rdc	3,25 ohms
Coil inductivity Le	0,21 mH
Coil diameter	25 mm
Cone surface Sd	34 cm²
Resonance frequency Fs	136,0 Hz
Mechanical quality Qms	3,56
Electrical quality Qes	0,97
Total quality Qts	0,77
Equivalent volume Vas	0,7 l
Moving mass Mms	3,6 g
Rms	0,87 kg/s
Cms	0,38 mm/N
B*I	3,21 Tm
Sensitivity 2 V, 1 m	83dB



The PRA 80 shows a flawless amplitude response without any significant disturbance. Below the corner it falls off from 6 kHz, but one can live with that very well



Under an enormous 90 dB/1 m the PRA 80 shows only minimal distortion. K2 (blue) remains harmless and kicks in only below 250 Hz. The more unpleasant K3 is hardly present, even above 150 Hz

**CAR & HiFi** 4/24

### Eton PRA 80

„Faultless performance — insider tip.“