

# Portable Hi-Fi Systems

Here are two true Hi Fi systems in miniature.

Both the PH 32 and the PH 52 give 20 W of power per channel. Each has a 3-way choice of power supply: batteries, DC 15 V or mains AC.

Each has a 5-band graphic equalizer with LED indicators and phono input for MM cartridge turntable.

The cassette deck has soft touch controls, metal tape capability, Dolby <sup>o</sup>B noise reduction system and Mic mixing.

A built-in automatic music selector picks up one out of 3 tunes one LED lights up for each selection.

There is even a Tape Eq switch which shapes the signals to the tape deck. You can use it to equalize tapes for your car or portable cassette player — when more bass or midrange may be needed.

The speakers, which are detachable, are two-way, with a 10 cm woofer and 4 cm tweeter.

The PH 52 has a built-in PLL synthesized tuner with 8 presets and LED frequency display.

Both models have a removable carrying handle.

PH 32 and PH 52 are available with AM/FM bands.

PH 32 L is available with FM, MW, LW and SW bands.

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TUNER	PH 32	PH 52
<b>FM Section:</b>		
Usable Sens. (40 kHz, 98 MHz)	1.8 $\mu$ V	1.2 $\mu$ V
S/N Ratio	76 dB	76 dB
THD Mono	0.6 %	0.6 %
Frequency Resp. (50 Hz - 15 kHz)	+0/-1 dB	+0/-1 dB
<b>MW Section:</b>		
Usable Sens. (20 dB S/N, 30 % mod)	320 $\mu$ V	350 $\mu$ V
Selectivity 1 MHz, $\pm$ 0 kHz	30 dB	30 dB
<b>LW Section:</b> Sens. (20 db S/N, 30 % mod)	600 $\mu$ V	700 $\mu$ V
<b>SW Section:</b> Sens. (20 dB S/N, 30 % mod)	35 $\mu$ V	—

AMPLIFIER	PH 32	PH 52
Output power (RMS Max.)	20 W	20 W
Output power (RMS, 1 kHz, 5 % THD)	15 W	15 W
Frequency Response	20Hz - 20kHz	20Hz - 20kHz
Aux input: Impedance	47 kOhms	47 kOhms
Sensitivity	150 mV	150 mV
MM cartridge input/Impedance	47 kOhms	47 kOhms
MM cartridge input/ Sensitivity	5 mV	5 mV

CASSETTE DECK	PH 32	PH 52
Frequency response (metal tape)	30 Hz-17 kHz	30 Hz-17 kHz
S/N ratio Dolby <sup>o</sup> ON	59 dB	59 dB
Wow and flutter DIN	0.15 %	0.15 %
FF and REW time	90 sec	90 sec
Power requirement	AC: 110/120/220/240 V AC switchable DC: 15 V or 10 "D" cells DC car adaptor DCA-15 optional	

Dimensions (all mounted) 496 x 210 x 200 (W x H x D)  
Weight: 12.5 kg

