

# ELECTRET

## CONDENSER MICROPHONE with permanent pre-polarization

FP-92 is a condenser microphone which has been developed by an entirely new technic at PML's laboratory.

FP-92 is the condenser microphone which works with a permanent pre-polarization. This means that an external powering unit not shall be used and that the microphone is to be connected to other equipment as any other dynamic microphones. When connected the FP-92 you will get the highest professional sound quality.

FP-92 is supplied in etui with signal cable 3003, adaptor 1930/18, shockproof 1910/18 and windscreen V 21.

- Extra power unit unnecessary.
- FP-92 works with a 6 volts built in battery. Operating time  $> \frac{1}{2}$  year.
- Extremely low current consumption. Only 50  $\mu$ A.
- Change of battery with a simple movment.
- FP-92 has a built in switch which automaticaly switch of the battery when the signal connector takes out of the microphone.
- The connector is of type Cannon XLR 3-12.
- FP-92 has a frequency response which all over satisfy all professional demands.
- Minimum of weight and dimensiones. Only 4 $\frac{1}{4}$  oz and 4 $\frac{7}{8}$ " $\times$ 1 $\frac{1}{16}$ ".

### TECHNICAL DATA:

Directivity pattern FP-92 C	Cardioid
Directivity pattern FP-92 K	Omni-directional
Directivity index (FP-92 C only)	10—12 dB
Frequency response Hz	30— $>$ 20.000
Sensitivity at 1 dyne/cm <sup>2</sup> /1 volt at 200 ohms	—66 dB
Output signal at 1 dyne/cm <sup>2</sup> /1 volt at 200 ohms	0,5 mV
Self noise (re 2 $\times$ 10 <sup>-4</sup> dyne/cm <sup>2</sup> )	23 dB
Dynamic range	124 dB
Output imp. (balanced)	200 ohms
Operating voltage	6 volts built in battery Hellesens 403
Current consumption	50 $\mu$ A
Operating temperatures	—20° + 50°C
F.E.T.	spec. 2N 3819
Dimensiones	4 $\frac{7}{8}$ " $\times$ 1 $\frac{1}{16}$ "
Weight	4 $\frac{1}{4}$ oz.
Finish	Satin chrome

Type	Accessories and description
FP-92 C	Cardioid condenser microphone with permanent pre-polarization
FP-92 K	Omni-directional condenser microphone with permanent pre-polarization
3003	20 ft. 2 cond. signal cable with connector Cannon XLR 3-11
1903	Gooseneck — see page "ACCESSORIES: GOOSENECKS"
2110—2111	
1910/18	Shockproof boom mount with nipple ( $\frac{5}{8}$ " $\times$ 27 TPI)
1930/18	Stand adaptor ( $\frac{5}{8}$ " $\times$ 27 TPI)
V-21	Windscreen