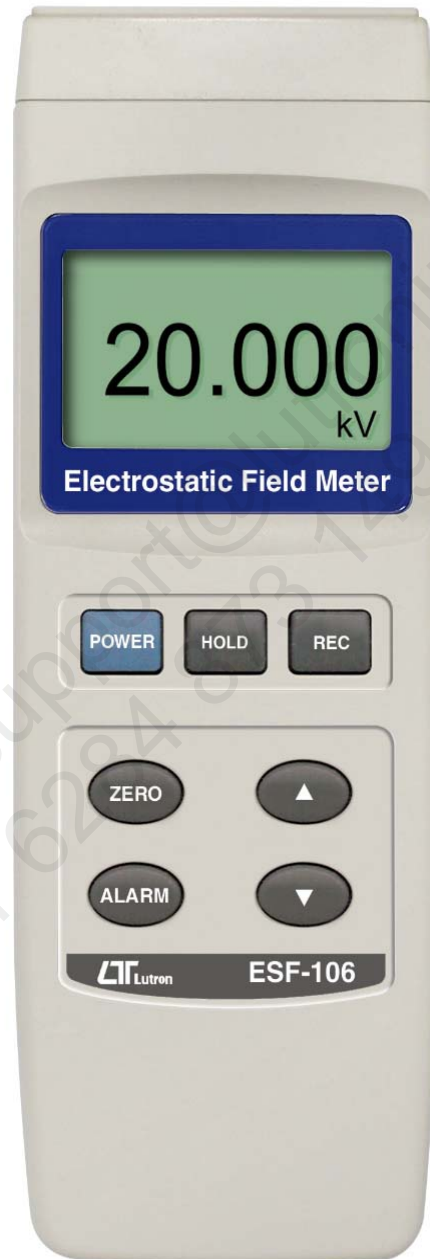


*RS232/USB computer interface*

# ELECTROSTATIC FIELD METER

Model : ESF-106

*ISO-9001, CE, IEC1010*



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# ELECTROSTATIC FIELD METER

Model : ESF-106

## FEATURES

* Professional precision STATIC Voltage meter with 0.001 kV resolution , digital display, battery operated.
* LSI - circuit provides high reliability and durability .
* Operation directly.
* Measurement range : -19.999 kV to +19.999 kV.
* High voltage alarm : +/- 18.000 kV.
* ALARM setting : 0.010 kV to 18.000 kV.
* Data hold , Record ( Max. , Min.).
* LCD with green light backlight, easy reading .
* RS232 / USB Computer interface.
* Built-in low battery indicator.
* Power : DC 9V ( 006P ).

## GENERAL SPECIFICATIONS

Display	LCD size : 51 mm x 30 mm , Max. indication : $\pm 19999$ . LCD with backlight ( On/Off ).
Circuit	Custom one-chip of microprocessor LSI circuit.
Measurement	Static Voltage : -19.999 kV to +19.999 kV
Over input	" ---- " mark indication.
Zero adjustment	ZERO button.
Sampling time	Approx. 0.5 second .
Data hold	Freeze the display reading.
Memory recall	Maximum and Minimum value.
Data output	RS232/USB PC Computer interface. * Connect the optional RS232 cable, UPCB - 02 will get the RS232 plug. * Connect the optional USB cable, USB - 01 will get the USB plug.
Operation Temp.	0 °C to 50 °C ( 32 °F to 122 °F ).
Operation humidity	Less than 80% RH.
Power supply	Alkaline or Heavy duty type DC 9V battery. 006P , MN1604 (PP3) or equivalent
Power consumption	Approx. DC 6 mA
Weight	215 g / 0.476 LB
Dimension	195 x 68 x 30 mm ( 7.6 x 2.6 x 1.2 inch ).
Accessories included	Instruction manual..... 1 PC 1" Magnetic Spacer..... 1 PC Ground wire..... 1 PC Ground CLIP..... 1 PC Carrying case, CA-06..... 1 PC
Optional accessories	* USB cable, USB-01. * RS232 cable, UPCB-02. * Data Acquisition software, SW-U801-WIN. * Excel Data Acquisition software, SW-E802.

## ELECTRICAL SPECIFICATIONS

### Static Voltage

Range	Resolution	Accuracy
+19.999 to -19.999 kV	0.001 kV	$\pm ( 5\%+50d )$
<i>Remark : Accuracy @ 23°C <math>\pm</math> 5°C</i>		

\* Appearance and specifications listed in this brochure are subject to change without notice.

1605-ESF106