

# TES

Reliable in Quality

**FAMCO**  
هایپر صنعت

## TES-1390 /1391 /1392 EMF Tester

- Measures EMF (ElectroMagnetic Field) Strength
- Range : 200 / 2000 milli Gauss  
20 / 200 micro Tesla
- Peak Hold function to capture the highest EMF strength automatically
- RS-232 interface / Software For TES-1391 /TES-1392/ Data Hold
- Stand-alone Datalogging function for TES-1392 (16,000 points)



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روبروی پالایشگاه نفت پارس، پلاک ۱۲



# TES-1390/1391/1392 EMF Tester ElectroMagnetic Field Tester

## FEATURES :

- The EMF tester is designed to provide user a quick, reliable and easy way to measure electromagnetic field radiation levels around power lines, home appliances and industrial devices.
- The EMF tester is a cost effective, hand-held instrument designed and calibrated to measure electromagnetic field radiation at different bandwidths.
- Display micro Tesla & milli Gauss in the same tester.
- Data hold, Peak hold function.
- On-line computer (1391/1392) Data logging (1392) function.

## APPLICATIONS :

- This EMF tester is specifically designed to determine the magnitude of electromagnetic field radiation generated by power lines, computer's monitor, TV sets, video machinery and many other similar devices.

## Specifications:

<b>Display</b>	3-1/2 digits. Max. indication 1999
<b>Range</b>	200/2000 milli Gauss 20/200 micro Tesla
<b>Resolution</b>	0.1/1 milli Gauss 0.01/0.1 micro Tesla
<b>Number of Axis</b>	Single axis
<b>Band Width</b>	30 Hz to 300 Hz
<b>Accuracy</b>	±(3%+3d) at 50Hz / 60HZ
<b>Over-Input</b>	Display shows "OL"
<b>Sampling Time</b>	Approx. 0.4 second
<b>Battery</b>	4 pcs size AAA (Alkaline Battery)
<b>Battery Life</b>	Approx. 60 hours
<b>Operating Temp and Humidity</b>	0°C to 40°C (32°F to 104°F) below 80%RH
<b>Storage Temp and Humidity</b>	-10°C to 60°C below 70%RH
<b>Weight</b>	Approx. 165g
<b>Dimension</b>	111(L) X 64 (W) X 34(H) mm
<b>Accessories</b>	Operation Manual , 4 pcs size AAA (Alkaline Battery), & Carrying Case RS-232 interface / software (1391/1392)
<b>Datalogging Capacity (TES-1392)</b>	16,000 Points Data logging



## TES ELECTRICAL ELECTRONIC CORP.

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## TES-1393 / TES-1394S



### ElectroMagnetic Field Tester

#### Product Features

- The EMF tester is designed to provide user a quick, reliable and easy way to measure electromagnetic field radiation levels around power lines, home appliances and industrial devices.
- The EMF tester is a cost effective, hand-held instrument designed and calibrated to measure electromagnetic field radiation at different bandwidths down to 50Hz/60Hz.
- Display micro Tesla & milli Gauss in the same tester.
- Data hold function.
- 2000 Datalogging capacity. (1393)
- Manual data memory capacity 99 sets. (1394S)
- Micro-USB interface. (1394S)
- Auto data memory capacity microSD CARD 4GB. (1394S)

<i>Display</i>	<i>Triple LCD display</i>
<i>Range</i>	<i>20/200/2000 milli Gauss 2/20/200 micro Tesla</i>
<i>Resolution</i>	<i>0.01/0.1/1 milli Gauss 0.001/0.01/0.1 micro Tesla</i>
<i>Number of Axis</i>	<i>Triple axis</i>
<i>Band Width</i>	<i>30 Hz to 2000 Hz</i>
<i>Accuracy</i>	<i>20mG/2<math>\mu</math>T <math>\pm</math> (3% + 30d) <math>\pm</math>(3%+3d) at 50Hz or 60HZ <math>\pm</math>(5%+3d) at 40Hz to 200HZ -3dB at 30Hz to 2000HZ</i>
<i>Over-Input</i>	<i>Display shows "OL"</i>
<i>Auto data memory</i>	<i>microSD CARD 4GB. (1394S)</i>
<i>Sampling Time</i>	<i>Approx. 0.5 second</i>
<i>Battery</i>	<i>6 pcs size AAA (1393 Only Use Alkaline Battery)</i>
<i>Battery Life</i>	<i>Approx. 33 hours (1393) / Approx. 40 hours (1394S)</i>
<i>Operating Temp and Humidity</i>	<i>0°C to 50°C (32°F to 122°F) below 80%RH</i>
<i>Storage Temp and Humidity</i>	<i>-10°C to 60°C below 70%RH</i>
<i>Weight</i>	<i>Approx. 165g (1393) / Approx. 225g (1394S)</i>
<i>Dimension</i>	<i>150(L) x 72 (W) x 35(H) mm</i>
<i>Accessories Included</i>	<i>Operation Manual, 6 pcs size AAA. (1393) Operation Manual, 6 pcs size AAA, CD Software, micro-USB Cable. (1394S)</i>





X.Y.Z 3 Axis

# 1393/1394 EMF Tester

- Triple LCD display to show X.Y.Z. axis each EMF Reading and plus average reading  $X+Y+Z/3$
- Range 20/2000 m Gauss  
2/200 micn Tesla
- Stand-alone Datalogging function
- RS-232 interface / Software for TES-1394
- MAX / MIN / AVG Reading

Panel V1.0		
Maximum	X (mG)	Minimum
1.33	0.89	0.63
Maximum	Y (mG)	Minimum
8.64	8.22	6.63
Maximum	Z (mG)	Minimum
8.54	2.84	2.68
Maximum	XYZ (mG)	Minimum
11.10	8.742	8.590
00-00 08:18		Com2





# TES-1393 ElectroMagnetic Field Tester

## 1394 Electromagnetic Field Tester (W/RS-232)

### FEATURES :

- The EMF tester is designed to provide user a quick, reliable and easy way to measure electromagnetic field radiation levels around power lines, home appliances and industrial devices.
- The EMF tester is a cost effective, hand-held instrument designed and calibrated to measure electromagnetic field radiation at different bandwidths down to 50Hz/60Hz.
- Display micro Tesla & milli Gauss in the same tester.
- Data hold, Peak hold function.
- RS-232 Optical inter face. (1394).
- 999 Datalogging capacity.

### APPLICATIONS :

This EMF tester is specifically designed to determine the magnitude of electromagnetic filed radiation generated by power lines, computer's monitor, TV sets, video machinery and many other similar devices.

### SPECIFICATIONS:

<b>Display</b>	3-1/2 digits. Max. indication 1999
<b>Range</b>	20/200/2000 milli Gauss 2/20/200 micro Tesla
<b>Resolution</b>	0.01/0.1/1 milli Gauss 0.001/0.01/0.1 micro Tesla
<b>Number of Axis</b>	Three axis
<b>Band Width</b>	30 Hz to 2000 Hz
<b>Accuracy</b>	± (3%+3d) at 50Hz or 60Hz, ± (5%+3d) at 40Hz to 200Hz, -3dB at 30Hz to 2000Hz
<b>Over-Input</b>	Display shows "OL"
<b>Datalogger</b>	999 reading
<b>Sampling Time</b>	Approx. 0.5 second
<b>Battery</b>	6 pcs size AAA 1.5V
<b>Battery Life</b>	Approx. 100 hours
<b>Operating Temp and Humidity</b>	0 °C to 50 °C (32 °F to 122 °F) below 80%RH
<b>Storage Temp and Humidity</b>	-10 °C to 60 °C below 70%RH
<b>Weight</b>	Approx. 165g
<b>Dimension</b>	154(L) x 72 (W) x 35(H) mm
<b>Accessories Included</b>	Operation Manual , 6 pcs size AAA, [Software for windows, RS-232 Cable (1394)]



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# TES

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## TES-3196 AC/DC Gauss Meter

### FEATURES

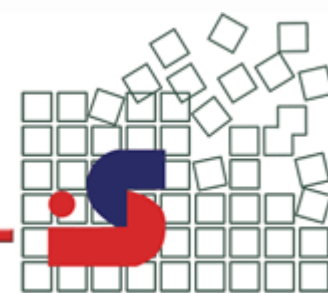
- User select Gauss, Tesla or Ampere/Meter readings
- DC Zero function & AC Trms measurement
- Data Hold & Maximum/Minimum record function
- Relative & Alarm High/Low limit function
- X, Y and Z axis vector summing function
- LCD backlight & auto power off function
- Manual memory stores up to 99 data

### APPLICATIONS

- DC static magnetic strength
- AC wave motion of the electro magnetic field (EMF)
- Magnetic force measurement
- The intensity of magnetic field measurement
- Measurement of magnetic Residual







# TES-3196 AC/DC Gauss Meter

## FEATURES

- User select Gauss, Tesla or Ampere/Meter readings
- DC Zero function & AC Trms measurement
- Data Hold & Maximum/Minimum record function
- Relative & Alarm High/Low limit function
- X, Y and Z axis vector summing function
- LCD backlight & auto power off function
- Manual memory stores up to 99 data

## APPLICATIONS

- DC magnetic field meter measuring static magnetic strength
- AC magnetic field meter measuring the wave motion of the electromagnetic field (EMF)
- After machine component are processed, remain the magnetism to measurement
- Magnetic force measurement of the magnetisable material
- Magnetic application products, the intensity of magnetic field measurement
- Electrical home appliances products, the magnetic field intensity measurement of the motor
- Exceed the leakage magnetic field of conducting the magnetite to measure
- Magnetic field intensity measurement of the permanent magnet
- Various steel products brought magnetic measurement naturally

## SPECIFICATIONS

Measurement	Range	Resolution	Accuracy (23±5°C)
DC	3000.0G 30000G	0.1G 1G	±(3%rdg+10d)
	300.00mT 3000.0mT	0.01mT 0.1mT	
AC	2000.0G 20000G	0.1G 1G	±(4%rdg+20d) (40Hz ~ 1kHz)
	200.00mT 2000.0mT	0.01mT 0.1mT	
<b>Number of Axis</b>	Uniaxial transverse probe		
<b>Hall sensor TC</b>	Probe head build the temperature sensor for automatic temperature compensation the hall sensor.		
<b>Manual memory</b>	Maximum 99 data can be stored and read manually		
<b>Operating</b>	0 to 50°C, max. 90%RH		
<b>Storage</b>	-25 to 70°C, max. 70%RH		
<b>Power requirements</b>	4 IEC R6 (size AA) batteries, AC adapter 6V (option)		
<b>Battery life</b>	Approx. 8 hours		
<b>Dimension/Weight</b>	158(L) x 78(W) x 40(H)mm / Approx. 265g		
<b>Accessories</b>	Instruction manual, Battery, Carrying case, Zeor gauss chamber		