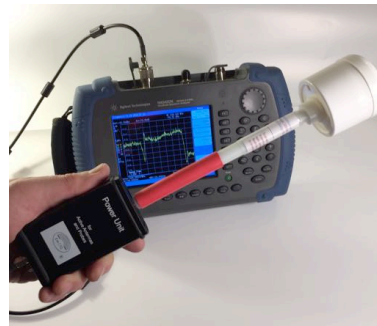
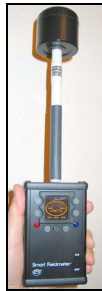


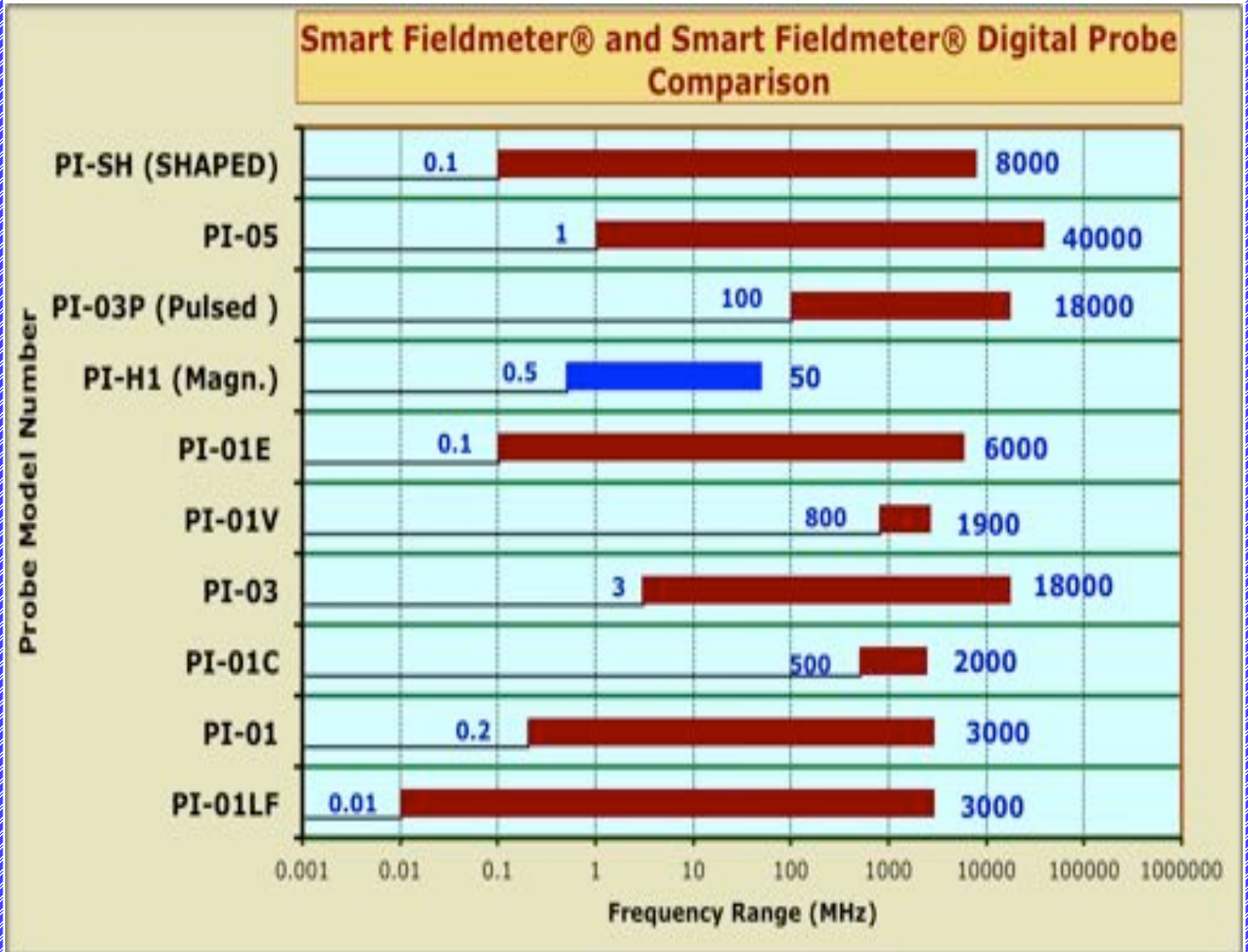
# EMC Test Design, LLC Products Catalog



# 2018



## Probes Selection



## Field Gauge

### Field Gauge

Convenient performance tester for Smart Fieldmeter® and Smart Fieldmeter® Digital instruments. Kits with broadband probes PI-01, PI-01LF, PI-01E, PI-03 and PI-05 come with Field Gauge.



Allows verification of meters, probes and connecting cables in seconds. Does not substitute the regular calibration procedure.







<b>Probe: PI-SH ICNIRP or FCC Shaped Electric</b>	<b>100 KHz- 8 GHz</b>	<b>0.5 - 1000% of STD (Power Density)</b>		<b>Meter: RFP-05M</b>
<b>Probe: PI-05 Electric</b>	<b>1 MHz - 40 GHz</b>	<b>2-1000 V/m.</b>		<b>Meter: RFP-05M</b>
<b>Probe: PI-03P Pulsed Electric</b>	<b>100 MHz - 18 GHz</b>	<b>70-1400 V/m. RF pulse width &gt; 1 us.</b>		<b>Meter: RFP-05M</b>
<b>Probe: PI-03 Electric</b>	<b>3 MHz - 18 GHz</b>	<b>0.8 – 800 V/m</b>		<b>Meter: RFP-04, RFP-05M</b>
<b>Probe: PI-01 Electric</b>	<b>0.2 MHz - 3 GHz</b>	<b>0.2 – 600 V/m</b>		<b>Meter: RFP-04, RFP-05M</b>
<b>Probe: PI-01C Selective Electric</b>	<b>500 - 3000 MHz</b>	<b>0.4 – 500 V/m</b>		<b>Meter: RFP-04, RFP-05M</b>
<b>Probe: PI-01LF Electric</b>	<b>10 KHz - 3 GHz</b>	<b>0.2* – 600 V/m (* Depends on frequency, see the data sheet.</b>		<b>Meter: RFP-04, RFP-05M</b>
<b>Probe: PI-01V Selective Electric</b>	<b>900-1900 MHz. Dual GSM band.</b>	<b>0.4 – 400 V/m</b>		<b>Meter: RFP-04, RFP-05M</b>
<b>Probe: PI-01E Electric</b>	<b>0.1 MHz - 6 GHz</b>	<b>0.3 – 600 V/m</b>		<b>Meter: RFP-04, RFP-05M</b>
<b>Probe: PI-H1 Magnetic</b>	<b>500 KHz - 50 MHz</b>	<b>0.05 – 20 A/m</b>		<b>Meter: RFP-05M</b>

## Meters Selection:

## Smart Fieldmeter® Digital and Smart Fieldmeter®

<p><b>Smart Fieldmeter® Digital Model: RFP-05M</b></p>	<p><b>0.2-3000 V/m 0.01-100A/m (depending on the probe used)</b></p>	<p>Calibrated with up to <u>four</u> probes at the same time. Supports all present and future probes. <b>Accessories (optional) include:</b> bidirectional RS232, USB and Fiber Optic isolated modems, GPS and IR Remote.</p>	
<p><b>Smart Fieldmeter® Model: RFP-04</b></p>	<p><b>0.2-800 V/m (depending on the probe used)</b></p>	<p>Calibrated with <u>one</u> probe selected at purchase. Supports PI-01 and PI-03 probes (see the table above). <b>Accessories (optional) include:</b> <u>Battery powered DC voltage recorders.</u></p>	

### Meter RFP-05M PC Link Accessories

<p><b>IM-MU</b></p>	<p>Insulated USB Modem. Modem IM-MU is mounted on meter.</p>	<p>Allows USB charging and bidirectional communication between PC and meter <b>RFP - 05M.</b></p>	
<p><b>FOLK-02</b></p>	<p>Fiber Optic Link Kit. Includes two bidirectional modems IM-MF, IM-PF and 10-meter (30') bi-line <u>fiber optic</u> cable. Modem IM-MF is mounted on meter.</p>	<p>Makes seamless <b>fiber optic</b> USB connection of <b>RFP-05M</b> meter with PC for data streaming. Eliminates all wires.  #1. Optional cable -20 m. #2. Optional cable 50 m.</p>	
<p><b>ODLK-01</b></p>	<p>Optically Decoupled Link Kit. Includes Data Cable and TTL/RS232/USB bidirectional converter with <u>optical Isolator</u>. Serial isolated RS232/USB output. ODLK-01 is connected to the meter with cable.</p>	<p>Allows bidirectional USB communication between PC and meter <b>RFP-05.</b></p>	
<p><b>FOLK-01</b></p>	<p>Fiber Optic Link Kit. Includes two bidirectional RS232/Optic converters and 10-meter (30') bi-line <u>fiber optic</u> cable. ODLK-01 is connected to the meter with cable.</p>	<p>Makes seamless fiber optic connection of <b>RFP-05</b> meter with PC for data streaming. Requires <b>ODLK-01.</b> #1. Optional cable -20 m. #2. Optional cable 50 m.</p>	

# EMC Test Design Product Selection Chart

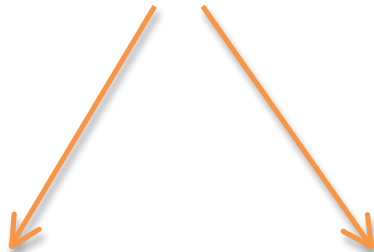


# EMC Test Design Product Selection Chart

One selected probe: PI-01, PI-01E or PI-03



Meter RFP-04



PCLK-01 with Isolated RS232 Port (Requires PC with RS232 Port)





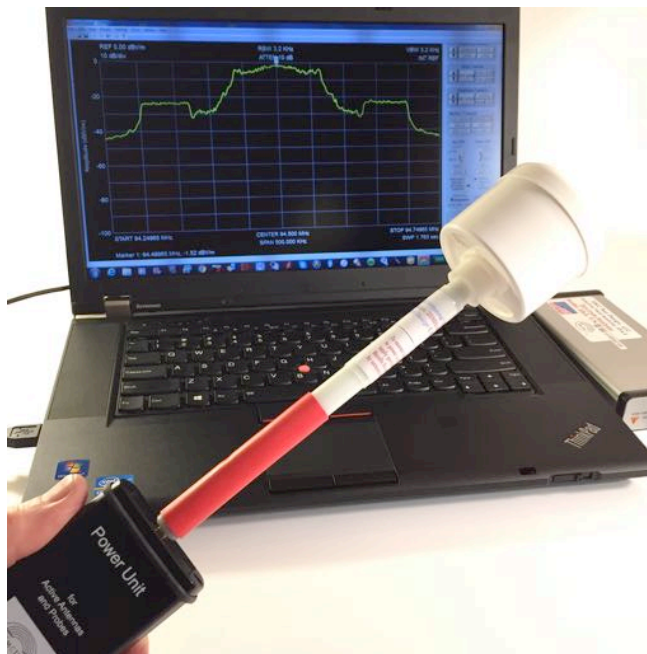
Isolated USB IR Port Multimeter with Isolated USB IR Port



Computer with RS232 /USB Port

## 30 MHz-6 GHz Isotropic Omnidirectional Antenna® and Selective Field Analyzer

<p><b>OFA-G</b> Active Broadband Isotropic Antenna</p>	<p>30 MHz-6 GHz</p>	<p>0.5 mV/m-50 V/m</p>	
<p><b>SFA-S/J</b> Selective Field Analyzer. Includes OFA-G Broadband Isotropic Antenna and USB spectrum analyzer: SA- S (1 Hz-4.4 GHz) or SA-J (100 KHz-12.4 GHz)</p>	<p>30 MHz-4.4 GHz</p> <p>30 MHz-6 GHz</p>	<p>0.5 mV/m-50 V/m</p> <p>SA-S (or J) Supplied with SD card having measured OFA-G antenna factors.</p>	



*PC is not included.*

## Calibration

All probes and antennas are calibrated in our test lab, traceable to UK NPL (United Kingdom National Physical Laboratory).  
The new probe price includes the Calibration Certificate.

The regular (one or two years interval) recalibration:

PI-01 (ALL VARIANTS), PI-H1

PI-03, PI-SH

PI-05, PI-03P

## EMC Test Design Products

You may find more information about our products: [Smart Fieldmeter®](#),

[Smart Fieldmeter® Digital and Omnifield Antenna®](#) at our web site: [www.emctd.com](http://www.emctd.com).

Inquire by e-mail [exid@emctd.com](mailto:exid@emctd.com), or give us a call: 508-292-1833.

We can arrange the demonstration of our products by our [distributor in your country](#).

**Our mail address:** [EMC Test Design, LLC® P.O. Box 600532, Newton, MA 02460, USA.](#)

Designed and made in the **USA**.



®

