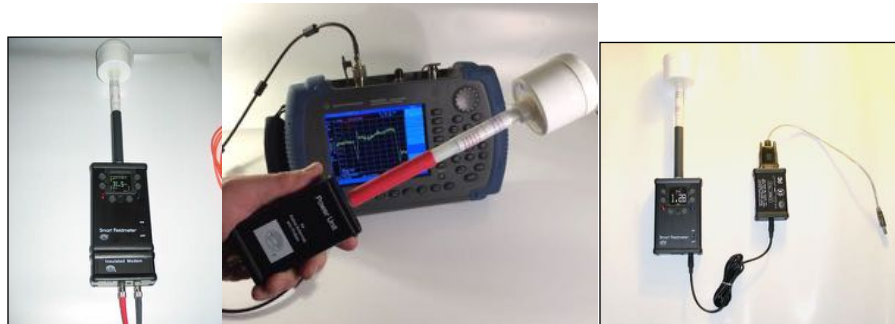
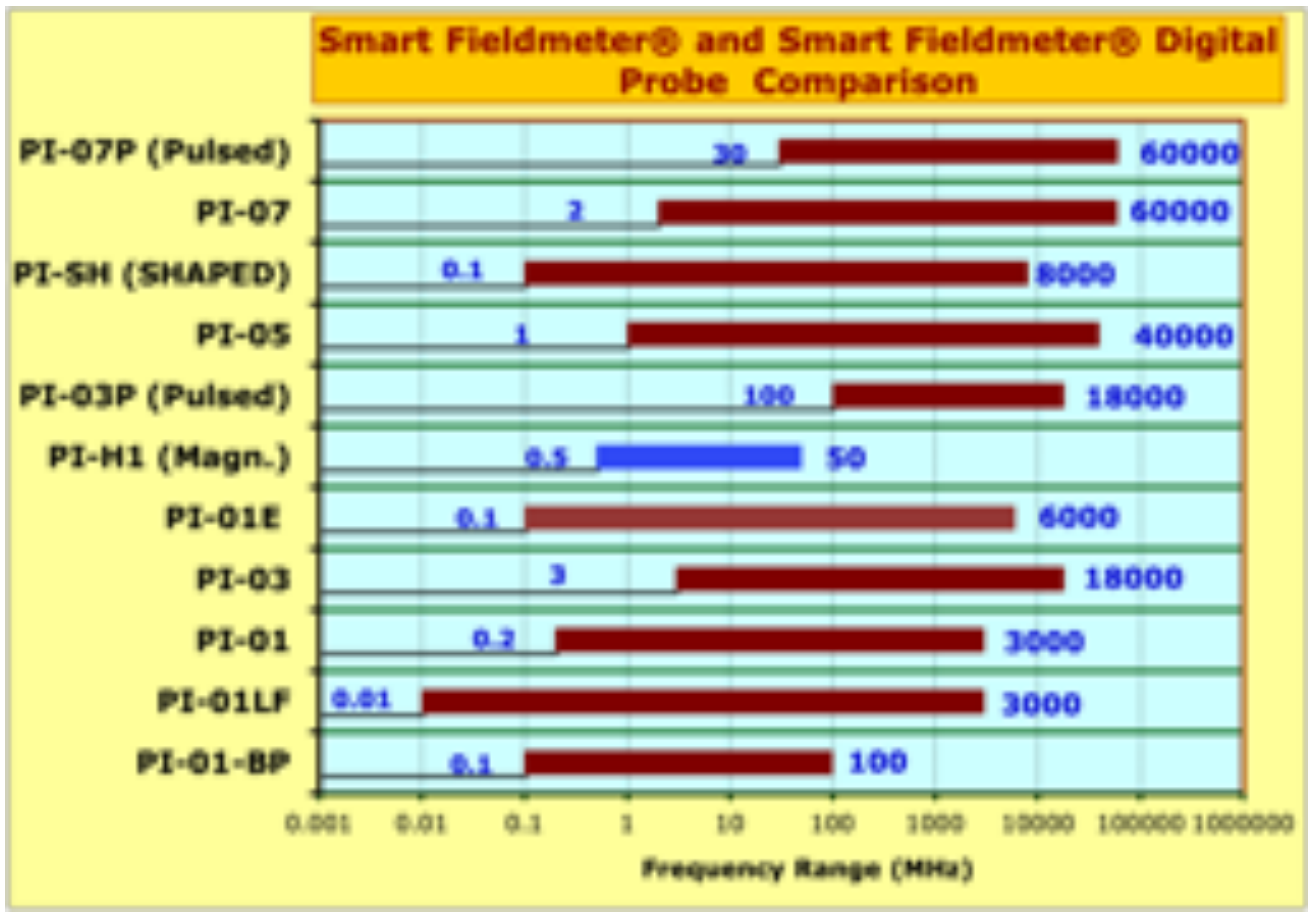


EMC Test Design, LLC Products Catalog



2021














Probes Selection





Note: Pulsed probes PI-03P and PI-07P are calibrated BOTH in Pulsed mode (with included power unit PU-5P) and in Average mode, as regular electric probes.




| | | | |
|---|---|---|---|
| <p>Field Gauge FG-01</p> | <p>Convenient performance tester for Smart Fieldmeter® and Smart Fieldmeter® Digital instruments. Kits with broadband probes <u>PI-01, PI-01LF, PI-01E, PI-03 and PI-05</u> come with <u>Field Gauge</u>.</p> | <p>Allows verification of meters, probes and connecting cables in seconds. Does not substitute the regular calibration procedure.</p> |  |
| <p>SB-01 Security Bracket for meters RFP-05/M and RFP-04 with probes</p> | <p>Probe security bracket SB-01 protects the connectors of the RF probes and all meters from breakage when probe is mounted directly on the meter during regular field use.</p> | <p>This SB-01 bracket is mounted on the top of the meter and has hollow shaft with flexible metal “fingers” and conical locknut that secures the probe.</p> |  |

| | | | | |
|---|---|---|---|---|
| Probe: PI-07P Dual use electric probe: Pulsed and Average. NEW! | 30 MHz - 60 GHz | 150-3000 V/m (PEAK) 4-1000 V/m (RMS) |  | Meter: RFP-05M |
| Probe: PI-07 Electric. NEW! | 2 MHz - 60 GHz | 4-1000 V/m. |  | Meter: RFP-05M |
| Probe: PI-SH ICNIRP or FCC Shaped Electric | 100 KHz- 8 GHz | 0.5 - 1000% of STD (Power Density) |  | Meter: RFP-05M |
| Probe: PI-05 Electric | 1 MHz - 40 GHz | 2-1000 V/m. |  | Meter: RFP-05M |
| Probe: PI-03P Dual use electric probe: Pulsed and Average. New! | 100 MHz - 18 GHz | 70-1400 V/m. (Peak) 0.8-800 V/m, (RMS) |  | Meter: RFP-05M |
| Probe: PI-03 Electric | 3 MHz - 18 GHz | 0.8 – 800 V/m |  | Meter: RFP-04, RFP-05M |
| Probe: PI-01 Electric | 0.2 MHz - 3 GHz | 0.2 – 600 V/m |  | Meter: RFP-04, RFP-05M |
| Probe: PI-01LF Electric | 10 KHz - 3 GHz | 0.2* – 600 V/m (*) Depends on frequency, see the data sheet. |  | Meter: RFP-04, RFP-05M |
| Probe: PI-01E Electric | 0.1 MHz - 6 GHz | 0.3 – 600 V/m |  | Meter: RFP-04, RFP-05M |
| Probe: PI-01-BP Electric | 0.1– 100 MHz, Stopband: 800-6000 MHz | 1 – 800 V/m |  | Meter: RFP-05M |
| Probe: PI-H1 Magnetic | 500 KHz - 50 MHz | 0.05 – 20 A/m |  | Meter: RFP-05M |

Meters Selection: Smart Fieldmeter® Digital and Smart Fieldmeter®

| | | | |
|--|--|---|---|
| <p>Smart Fieldmeter® Digital Model: RFP-05M</p> | <p>0.2-6000 V/m 0.01-100A/m (depending on the probe used)</p> | <p>Calibrated with up to four probes at the same time. Supports all present and future probes. Accessories (optional) include: bidirectional RS232, USB and Fiber Optic isolated modems, GPS and IR Remote.</p> |  |
| <p>Smart Fieldmeter® Model: RFP-04</p> | <p>0.2-800 V/m (depending on the probe used)</p> | <p>Calibrated with one probe selected at purchase. Supports PI-01 and PI-03 probes (see the table above). Accessories (optional) include: <u>Battery powered DC voltage recorders.</u></p> |  |

Meter RFP-05M PC Link Accessories

| | | | |
|-----------------------|--|---|---|
| <p>IM-MU</p> | <p>Insulated USB Modem. Modem IM-MU is mounted on meter.</p> | <p>Allows USB charging and bidirectional communication between PC and meter RFP - 05M.</p> |  |
| <p>FOLK-02</p> | <p>Fiber Optic Link Kit. Includes two bidirectional modems IM-MF, IM-PF and 10-meter (30') bi-line fiber optic cable. Modem IM-MF is mounted on meter.</p> | <p>Makes seamless fiber optic USB connection of RFP-05M meter with PC for data streaming. Eliminates all wires. #1. Optional cable -20 m. #2. Optional cable 50 m.</p> |  |
| <p>ODLK-01</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 RFP-05.</p> |  |

EMC Test Design Product Selection Chart



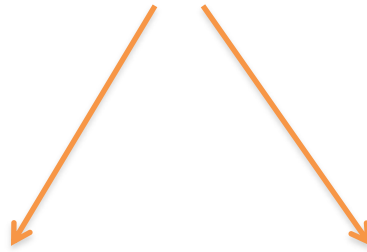
The presented examples are applicable for all probes, including the latest PI-07 models.

EMC Test Design Product Selection Chart

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



Meter RFP-04



Isolated USB IR Port

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

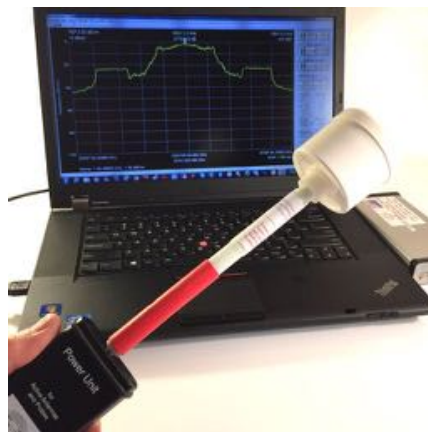
Multimeter with
Isolated USB IR Port



Computer with
RS232 /USB Port

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

| | | | |
|---|---|---|--|
| <p><u>OFA-G</u> Active Broadband Isotropic Antenna High Sensitivity. NEW!</p> | <p>30 MHz-6 GHz</p> | <p>1 mV/m-60 V/m</p> |  |
| <p><u>OFA-GH</u> Active Broadband Isotropic Antenna High Field Strength Levels. NEW!</p> | <p>30 MHz-6 GHz</p> | <p>10 mV/m- 600 V/m</p> |  |
| <p><u>SFA-S/J</u> Selective Field Analyzer. Includes OFA-G Broadband Isotropic Antenna and USB spectrum analyzer: SA-S (1 Hz-4.4 GHz) or SA-J (9 KHz-12.4 GHz)</p> | <p>30 MHz-4.4 GHz</p> <p>30 MHz-6 GHz</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, OFA-S, |
| | PI-05, OFA-G |
| | PI-03P, PI-07 |
| | PI-07P |

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.

Inquire by e-mail 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**.

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Designed and made in the USA.



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