



Agilent E7400 A-Series EMC Analyzers, EMI Measurement Software, and Precompliance Systems

Ordering Information

**Agilent E7401A, E7402A, E7403A,
E7404A, E7405A, E7415A, E7416A,
84105EM, and 84115EM**



General Description

Early evaluation of your design's EMI performance is essential for a successful product. Whether your industry is information technology, communications, automotive, medical, or industrial equipment, your product must comply with EMC requirements before it can be introduced to the marketplace.

With Agilent Technologies' EMC precompliance solution, you get all the features that make in-house EMC precompliance testing a simple reality:

- Preprogrammed, automated measurements that require no special knowledge or training, so you can begin making EMC measurements as soon as your EMC analyzer arrives.
- Interactive software that allows you to perform tests from your PC, or capture measurements made directly from the front panel.
- Automatic remeasure functions for consistent, repeatable results.



Agilent Technologies

Innovating the HP Way

Ordering Information

Agilent 84105EM Design Development System

Includes:

E7401A EMC analyzer 9 kHz to 1.5 GHz

11945A Close field probe set

Options

012 Replaces E7401A with E7402A, 9 kHz to 3.0 GHz

013 Replaces E7401A with E7403A, 9 kHz to 6.7 GHz

014 Replaces E7401A with E7404A, 9 kHz to 13.2 GHz

015 Replaces E7401A with E7405A, 9 kHz to 26.5 GHz

112 Replaces E7401A with E7402A with tracking generator

113 Replaces E7401A with E7403A with tracking generator

114 Replaces E7401A with E7404A with tracking generator

115 Replaces E7401A with E7405A with tracking generator

1AX Replaces GPIB (IEEE 488-2) with RS-232

1D5 Adds Agilent high stability time base

1DN Adds tracking generator to the E7401A

909 Adds 11909A preamplifier 9 kHz to 1.0 GHz (32 dB gain)

Agilent 84115EM Preproduction Evaluation Systems

Includes:

E7401A EMC analyzer 9 kHz to 1.5 GHz

11955A Biconical antenna (Typical calibration data)

11956A Log periodic antenna (Typical calibration data)

11967D Line Impedance Stabilization Network 10 Amp

11968C Tripod

11966L Cable 10 m Type "N"

11945A Close field probe kit

E7415A EMI measurement software

11947A Limiter

Options

001 Replaces NEMA LISN with SCHUKO LISN (11967D Option 001)

002 Replaces NEMA LISN with British LISN (11967D Option 002)

012 Replaces E7401A with E7402A, 9 kHz to 3.0 GHz

013 Replaces E7401A with E7403A, 9 kHz to 6.7 GHz

014 Replaces E7401A with E7404A, 9 kHz to 13.2 GHz

015 Replaces E7401A with E7405A, 9 kHz to 26.5 GHz

112 Replaces E7401A with E7402A and tracking generator

113 Replaces E7401A with E7403A and tracking generator

114 Replaces E7401A with E7404A and tracking generator

115 Replaces E7401A with E7405A and tracking generator

1AX Replaces GPIB (IEEE 488-2) with RS-232 bus

1D5 Adds Agilent high stability time base

1DN Adds tracking generator to the E7401A EMC analyzer

415 Deletes E7415A EMI software

55A Deletes 11955A Biconical antenna

56A Deletes 11956A Log periodic antenna

66P Adds 11966P Broadband antenna

AYT Adds grey carrying case

AYU Adds yellow carrying case

AYX Adds fast time domain sweep

909 Adds the 11909A preamplifier 9 kHz to 1.0 GHz (32 dB gain)

Agilent EMC Analyzers

E7401A 9 kHz to 1.5 GHz

E7402A 9 kHz to 3.0 GHz

E7403A 9 kHz to 6.7 GHz

E7404A 9 kHz to 13.2 GHz

E7405A 9 kHz to 26.5 GHz

Includes:

1DS RF Preamplifier (20 dB gain, 100 kHz to 3.0 GHz)

1DR Narrow resolution bandwidths

UTA Floppy disk drive

A4H GPIB/Parallel port

Options:

1AX Replaces GPIB with RS-232

1D5 Adds high stability time base

1D6 Time gated sweep

1DN Adds tracking generator¹

A4J Adds IF and sweep ports

A5D Adds 12 Vdc power cable

AXT Adds transit case

AYT Adds grey soft carrying case

AYU Adds yellow soft carrying case

AYX Adds fast time domain sweep

BAB Replaces type "N" connector with APC 3.5 connector

UK6 Commercial calibration certificate

UK9 Front panel cover

Agilent E7415A EMI Measurement Software

Includes:

- Asset control module for E7400 A-series EMC analyzers
- Report generation capability

Options

001 Report generation only

101 Replaces E7400 A-series ACM with 8590EM series ACM

102 Replaces E7400 A-series ACM with 8546A/42E ACM

E7416A EMI Measurement Software Upgrade

001 Adds report generation

101 Adds ACM for 8590EM series

102 Adds ACM for 8546A/42E EMI receivers

Additional EMC Accessories Available

11966C Biconical antenna (individually calibrated)

11966D Log periodic antenna, 200 MHz to 1 GHz (individually calibrated)

11966E Ridged horn antenna (1 to 18 GHz)

11966N Log periodic antenna (0.2 to 5 GHz)

11967E LISN, 25 amp with choice of NEMA, SCHUKO, British, or Australian power connectors.

1. 9 kHz to 1.5 GHz when ordered with the E7401A; 9 kHz to 3.0 GHz when ordered with the E7402A, E7403A, E7404A, and E7405A

Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

Our Promise

"Our Promise" means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

Your Advantage

"Your Advantage" means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

By internet, phone, or fax, get assistance with all your test and measurement needs.

Online Assistance

www.agilent.com/find/assist

Phone or Fax

United States:

(tel) 1 800 452 4844

Canada:

(tel) 1 877 894 4414

(fax) (905) 206 4120

Europe:

(tel) (31 20) 547 2323

(fax) (31 20) 547 2390

Japan:

(tel) (81) 426 56 7832

(fax) (81) 426 56 7840

Latin America:

(tel) (305) 269 7500

(fax) (305) 269 7599

Australia:

(tel) 1 800 629 485

(fax) (61 3) 9272 0749

New Zealand:

(tel) 0 800 738 378

(fax) (64 4) 495 8950

Asia Pacific:

(tel) (852) 3197 7777

(fax) (852) 2506 9284

Product specifications and descriptions in this document subject to change without notice.

Copyright © 1999, 2000 Agilent Technologies

Printed in U.S.A. 7/00

5968-5157E



Agilent Technologies

Innovating the HP Way