

EX Series Instruments

Versatility and Peace of Mind in Explosive Atmospheres



- Conform to the ATEX directive*
- Reliability and functionality
- Help keep you safer

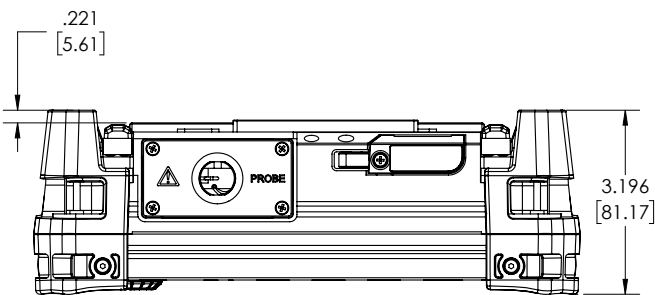
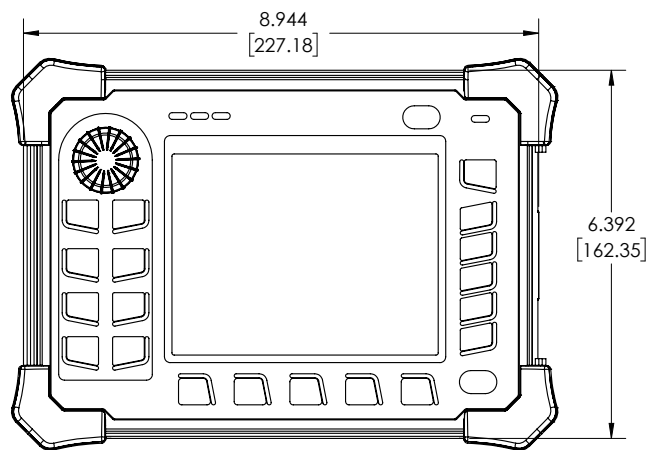
The Right Tools for the Job

Flammable gasses and vapors can create explosive atmospheres. If you work in an environment where an explosive atmosphere might be present, using an EX series instrument can help keep you safe.

Three of our most popular instruments are now available in versions that conform to the requirements of the ATEX directive—the EPOCH® 650 flaw detector, BondMaster® 600 multimode bond tester, and the NORTEC® 600 eddy current flaw detector. In addition to conforming to the ATEX directive, each is rated to IP54, drop tested, and fitted with a durable screen. These EX units offer the same leading-edge flaw detection capabilities and functionality you’ve come to expect, in a version that conforms to the ATEX directive. Be confident in your inspection results, no matter where you work.

General Specifications

Dimensions (W x H x D)	241 mm x 173 mm x 82 mm (9.49 in. x 6.81 in. x 3.23 in.)
Weight	EP650 Ex: 2.73 kg (6.0 lbs), including battery; N600Ex, B600Ex: 2.82 kg (6.2 lbs), including battery



Environmental Ratings

ATEX Label



II 3 G Ex ic IIA T4 Gc IP54
-10°C ≤ T_{amb} ≤ 50 °C
OLYMPUS 16.E650 X

Compatible Probes and Accessories

EX units offer the flexibility of using a wide range of probes and accessories without having to deal with the cost and hassle of a hot work permit in hazardous environments where propane-type (group IIA) gasses may be present. With our EX series probes and accessories, you can tailor your equipment to meet your inspection needs, even in limiting environments.

KIT-ECT-ATEX	Q2500822	COMMERCIAL ECT ATEX PROBE KIT
CASE-10071	Q7640007	Transport Case, Rugged for ATEX/EMI Eddy Current Testing Probe Kit
0321004	U8779068	Thickness Gage Assortment, Nonconductive, 13 Thicknesses Between 0.001–0.03 in. (0.025–0.76 mm)
3303965.00	U8901365	Teflon® Tape— 1/4 in. (6.3 mm) Wide
9122244-EMI	Q2500997	ATEX/EMI Probe Cable, 16-pin LEMO® to Triax Fischer/LEMO, Bridge Coil Configuration
9216168.01	U8602016	Manual Hole Probe, 0.156 in. (3.96 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216169.01	U8602017	Manual Hole Probe, 0.187 in. (4.7 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216170.01	U8602018	Manual Hole Probe, 0.218 in. (5.3 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216171.01	U8602019	Manual Hole Probe, 0.25 in. (6.3 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216172.01	U8602020	Manual Hole Probe, 0.281 in. (7.1 mm) Diameter, 500 kHz– 2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216173.01	U8602021	Manual Hole Probe, 0.312 in. (7.9 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216175.01	U8602023	Manual Hole Probe, 0.375 in. (9.5 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216176	U8602024	Manual Hole Probe, 0.406 in. (10.3 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216177.01	U8602025	Manual Hole Probe, 0.437 in. (11 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216178.01	U8602026	Manual Hole Probe, 0.5 in. (12.7 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216179.01	U8602027	Manual Hole Probe, 0.562 in. (14.2 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216180.01	U8602028	Manual Hole Probe, 0.625 in. (15.8 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9216181.01	U8602029	Manual Hole Probe, 0.687 in. (17.4 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector
9231448.00	U8629070	SPO-6852 EMC 60kHz Conductivity Probe
9231578.00	U8629514	Surface Probe, 45°, 5 in. (12.7 cm) Long with 0.5 in. (12.7 mm) Drop. 1–2 MHz, Bridge Coil, Triax Fischer/LEMO Connector
9231579.00	U8629513	Surface Probe, Right Angle, 5 in. (12.7 cm) Long with 0.5 in. (12.7 mm) Drop. 1–2 MHz, Bridge Coil, Triax Fischer/LEMO Connector
9231580.00	U8629515	Bent Surface Probe, Right Angle, 5 in. (12.7 cm) Long with 0.5 in. (12.7 mm) Drop. 1–2 MHz, Bridge Coil, Triax Fischer/LEMO Connector
9231581.00	U8629516	Flexible Surface Probe, Straight, 6 in. (15.2 cm) Long. 1–2 MHz, Bridge Coil, Triax Fischer/LEMO Connector
9231582.00	U8629517	Flexible Surface Probe, Straight, 9 in. (22.8 cm) Long. 1–2 MHz, Bridge Coil, Triax Fischer/LEMO Connector
9522103	U8880111	Conductivity Standard with 2 Coupons 25-32% and 49-61% IACS
9231354.00	U8629214	Flexible Surface Probe, Straight, 9 in. (22.8 cm) Long. 50–500 kHz, Bridge Coil, Triax Fischer/LEMO Connector
9231353.00	U8629213	Flexible Surface Probe, Straight, 6 in. (15.2 cm) Long. 50–500 kHz, Bridge Coil, Triax Fischer/LEMO Connector
9231352.00	U8629212	Bent Surface Probe, Right Angle, 5 in. (12.7 cm) Long with 0.5 in. (12.7 mm) Drop. 50–500 kHz, Bridge Coil, Triax Fischer/LEMO Connector
9231350.00	U8629211	Surface Probe, Right Angle, 5 in. (12.7 cm) Long with 0.5 in. (12.7 mm) Drop. 50–500 kHz, Bridge coil, Triax Fischer/LEMO Connector
9231351.00	U8610435	Surface Probe, 45°, 5 in. (12.7 cm) Long with 0.5 in. (12.7 mm) Drop. 50–500 kHz, Bridge Coil, Triax Fischer/LEMO Connector
9231329.00	U8629205	EMC Surface Probe, Right Angle, 6 in. (15.2 cm) Long with 0.5 in. (12.7 mm) Drop. 50–500 kHz, Bridge Coil, 7-Pin LEMO Connector
9122305	U8779022	Cable, 6 ft (1.8 m) Length EMC Cable, Bridge or Reflection Coil Probes with 7-Pin LEMO to 16-Pin LEMO
9213012.01	U8630003	Spot Probe, 0.31 in. (7.9 mm) Diameter, 1–50 kHz, Triax Fischer/ LEMO Connector
9213013.01	U8623148	Surface Probe, Right Angle, 6 in. (15.2cm) Long with 0.5 in. (12.7 mm) Drop. 100–500 kHz, Bridge Coil, Triax Fischer/LEMO Connector
9216191.00	U8623178	Surface Probe, Straight, 4 in. (10.1 cm) Long. 100–500 kHz, Bridge Coil, Triax Fischer/LEMO Connector
9216174	U8602022	Manual Hole Probe, 0.343 in. (8.7 mm) Diameter, 500 kHz–2 MHz, Bridge Differential Coil, Triax Fischer/LEMO Connector

KIT-UT-ATEX	Q4200326	COMMERCIAL UT ATEX PROBE KIT
CASE-10073	Q7640010	Transport Case, Rugged for ATEX Ultrasonic Testing Probe Kit
V103-RM	U8403008	Contact Transducer, 1 MHz, 0.50 in. Element Diameter, Fingertip Case Style, Right Microdot™ Connector
A106S-RM	U8401017	Contact Transducer, 2.25 MHz, 0.50 in. Element Diameter, Fingertip Case Style, Right Microdot Connector
A109S-RM	U8401027	Contact Transducer, 5 MHz, 0.50 in. Element Diameter, Fingertip Case Style, Right Microdot Connector
A110S-RM	U8401030	Contact Transducer, 5 MHz, 0.25 in. Element Diameter, Fingertip Case Style, Right Microdot Connector
C1012	U8402021	Contact Transducer, EMI Shielded, 5 MHz, 0.25 in. Element Diameter, Right Microdot Connector
V201-RM	U8411001	Delay Line Transducer, 5 MHz, 0.25 in. Element Diameter, Right Microdot Connector
V206-RM	U8411006	Delay Line Transducer, 5 MHz, 0.50 in. Element Diameter, Right Microdot Connector
V202-RM	U8411002	Delay Line Transducer, 10 MHz, 0.25 in. Element Diameter, Right Microdot Connector
V205-RM	U8411005	Delay Line Transducer, 15 MHz, 0.25 in. Element Diameter, Right Microdot Connector
DHC711-RM	U8452058	Dual Transducer, 5 MHz, 0.25 in. Element Diameter, Flush Case Style, Right Microdot Connector
D790-SM	U8450009	Dual Transducer, 5 MHz, 0.434 in. Tip Diameter, Straight Microdot Connector
BCM-74-6DS	U8800190	Cable, BNC to Microdot, RG174, 6 ft., Double Shielded
CBAS-10785-0000	Q8000220	Cable, Dual BNC to Microdot, 5 ft.

KIT-BT-ATEX	Q0100165	COMMERCIAL BT ATEX PROBE KIT
CASE-10072	Q7640008	Transport Case, Rugged for ATEX/EMI Bond Testing Probe Kit
9317796-EX	Q0100155	S-MP-3 ATEX MIA Probe, Right Angle, 12.7 mm Tip Diameter
9316874-EX	Q0100154	BMM-H ATEX Spring Loaded Adaptor for MIA Probes
9317793.01	U8010008	S-PR-3 Resonance Probe 110 kHz (+/- 10 KHz) in a 0.625 in. Diameter Case
9317794.01	U8010009	S-PR-4 Resonance Probe 165 kHz (+/- 10 KHz) in a 0.5 in. Diameter Case
9317809.01	U8010016	S-PR-1 Resonance Probe 35 kHz (+/- 5 KHz) in a 0.625 in. Diameter Case
9317810.01	U8010017	S-PR-2 Resonance Probe 65 kHz (+/- 10 KHz) in a 0.625 in. Diameter Case
9317807-EX	Q0100156	S-MP-2 ATEX MIA Probe, Straight, 6.35 mm Tip Diameter
9317808-EX	Q0100157	S-MP-4 ATEX MIA Probe, Right Angle, 6.35 mm Tip Diameter
9322184-EMI	Q0100158	SPO-5629PHV EMI Pitch-Catch Probe, 12.7 mm Spring Loaded Tip Spacing
9323945-EMI	Q0100159	S-PC-P14 EMI Pitch-Catch Probe, 15 mm Spring Loaded Tip Spacing
9323952-EMI	Q0100160	S-PC-P16 EMI Pitch-Catch probe, 15 mm Spring Loaded Tip Spacing with Tips 0.875 from Leading Edge
9323942-EMI	Q0100161	S-PC-DHV EMI Differential Pitch-Catch Probe, 4 Spring Loaded Tips

www.olympus-ims.com

OLYMPUS®

OLYMPUS CORPORATION OF THE AMERICAS
48 Woerd Avenue, Waltham, MA 02453, USA, Tel.: (1) 781-419-3900
110 Magellan Circle, Webster TX, 77598, USA, Tel.: (1) 281-922-9300

For inquiries - contact
www.olympus-ims.com/contact-us

OLYMPUS SCIENTIFIC SOLUTIONS AMERICAS
is certified to ISO 9001, ISO 14001, and OHSAS 18001.

All specifications are subject to change without notice.

*Assembly is qualified for use in explosive atmosphere conditions conforming to ATEX Directive 2014/34/EU for Group II, Category 3, Zone 2 (CE Ex II 3 G Ex ic IIA T4 Gc IP54). Not for use in mines; for use in areas where flammable material (gas group IIA) is present abnormally as a vapor or mist.

Olympus, EPOCH, BondMaster, and NORTEC are registered trademarks of Olympus Corporation.

Teflon is a registered trademark of E.I. du Pont de Nemours and Company or its affiliates. LEMO is a registered trademark of LEMO SA.

Microdot is a trademark of Tyco Electronics Corporation.

Copyright © 2018 by Olympus.

