

Putting expertise right in your hands

MENTOR EM AND PROBE KITS

Early detection of surface defects on metal parts is critical to avoid re-work or scrap costs. So, inspections must be carried out with the right flaw detector and probe.

Our eddy current inspection probe kits and the Mentor EM device ensure that inspectors of all levels have the complete toolset for fast, easy and reliable surface inspection.

The following kits are available at a reduced price:

- Rotary Probe Kit
- Weld Expert Kit
- Weld Starter Kit
- Conductivity Probe Kit
- Surface Probe Expert Kit
- Surface Probe Starter Kit

Mentor EM

Waygate Technologies' flagship portable eddy current flaw detector has excellent signal-to-noise ratio and high-resolution display. It enables easy and efficient nondestructive testing for weld, rotary and general-purpose inspections.

Its user-centered application workflows and onboard Wi-Fi capability enable inspectors to easily communicate with each other remotely or on-site.



To request a quote, a demo or find out more, contact your local sales representative or visit our [eddy current web page](#)

KIT CONTENTS

MENTOR EM EDDY CURRENT FLAW DETECTOR

Part number	Includes	Description
Mentor-EM-Aero	Mentor EM with single channel 12-pin Lemo for surface or rotary and separate connector for conductivity probe	Eddy current flaw detector with probe module for absolute/differential/reflection probes, weld inspection with single/dual frequency, rotary inspection & conductivity testing
Mentor-EM-Single	Mentor EM with single input probe module	Eddy current flaw detector with probe module for absolute/differential/reflection probes, weld inspection with single/dual frequency & rotary inspection

ROTARY PROBE KIT

Kit part number	Common applications	Component number	Component description
640-025-005	Inspection of inside diameter of bolt holes for surface wear and cracks, commonly used in aerospace	073-200-003	Mini Drive Scanner 40A100 (E)
		640-010-048	ECLN--CBL 33A103U 8' New
		620-546-016	RTPRB, PLSTC, 1/4", 1.4" WL,619P016F035
		621-546-016	RTPRB, SST, 1/4" DIA., 1.4" WL,615P016F035
		640-025-002	REF. BLOCK, 33AT016V1, Rotary(E)
		110-020-156	Part--Tape Telefon
		102M9858	Label, 640-025-005 Kit
		100N2146	Case, Rotary Probe Demo Kit

WELD EXPERT KIT

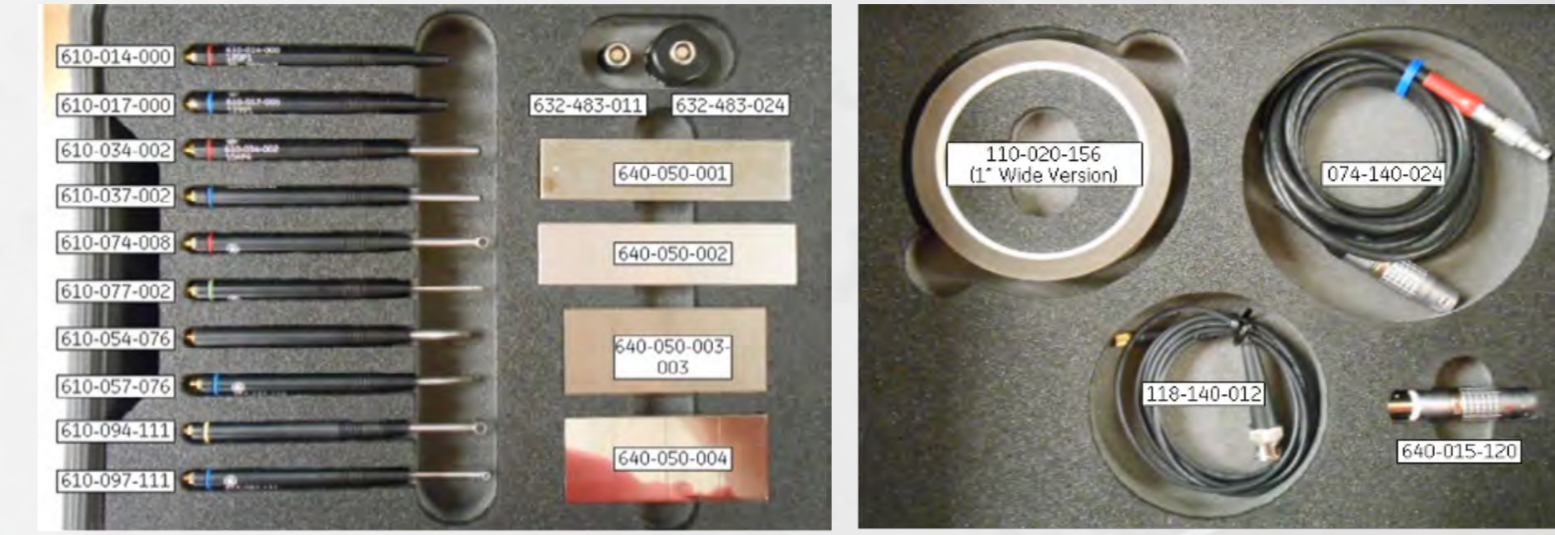
Kit part number	Common applications	Component number	Component description
640-025-013	Inspecting ferrous welds for cracks in offshore drilling platforms, transportation structures, ships, and construction	632-266-008-K	EC Kit ECLN--PRB 3/8" WLDSCN 4PL
		632-265-009-K	EC Kit ECLN--PRB 5/8" WLDSCN 4PL
		632-266-108-K	EC Kit ECLN--WLD 3/8" 90D CONN
		632-266-208-K	EC Kit ECP, WLD, 3/8", 90° W/LEMO 4P
		632-265-108-K	EC Kit Probe, Weldscan, 5/8", 90° Inline
		632-265-208-K	EC Kit Probe, Weldscan, 5/8", 90°, D/C
		632-143-000-K	EC Kit ECP, 130P3, 82 µH, 35 kHz - 250 kHz
		640-050-000	TST BLK, 3 Notch, Weldscan, 4340 ST, 31A008
		110-020-156	Part--Tape Telefon 3/4"
		640-010-304	Cable, Lemo 12PM-BNC, 6' Long
		074-140-022	ECLN--CBL 4.9' DIFF
		100N3603	Case, Weldscan Expert Kit
		107M4012	Label, 640-025-013 Kit
		640-040-012	Weldscan Workflow Memory Stick

WELD STARTER KIT

Kit part number	Common applications	Component number	Component description
640-025-012	Inspecting ferrous welds for cracks in offshore drilling platforms, transportation structures, ships, and construction	632-266-008-K	EC Kit ECLN--PRB 3/8" WLDSCN 4PL
		632-265-009-K	EC Kit ECLN--PRB 5/8" WLDSCN 4PL
		074-140-022	ECLN--CBL 4.9' DIFF
		640-010-304	Cable, Lemo 12PM-BNC, 6' Long
		632-134-000	ECP, 130P3, 82 µH, 35 kHz - 250 kHz
		640-050-000	TST BLK, 3 Notch, Weldscan, 4340 ST, 31A008
		110-020-156	Part--Tape Telefon 3/4"
		100N1102	Case, Weldscan Demo Kit
		107M1179	Label, 640-025-012 Kit
		640-040-010	Weldscan Probe Kit Memory Stick

CONDUCTIVITY PROBE KIT

Kit part number	Common applications	Component number	Component description
COND-STARTER-KIT	Determining electrical conductivity of metals for sorting, determining heat treatment, or other damage that can cause conductivity changes	632-745-001	Probe, Cond, 60kHz-500kHz, 0.50", Mentor
		640-010-315	Cable, Conductivity, Mentor EM, 6' Long
		078-540-017	Conductivity Block Set (2) Standards; nominal 9 % & 59 % IACS
		106M3838	Conductivity Module



Each kit comes with a high quality case and easy to access probes, cables and accessories.

Images show the Surface Probe Expert Kit.

SURFACE PROBE EXPERT KIT

Kit part number	Common applications	Component number	Component description
640-025-004	General surface or near surface inspection for cracks in many industries	610-034-002	ECPP, Abs, Shd, 4.5" LG, 20 - 200 kHz, 104P4
		610-037-002	ECPP, Abs, Shd, 4.5" LG, 350 kHz - 3 mHz, 106P4
		610-074-008	ECPP, Abs, Shd, 4.5", 90°, 20 - 200 kHz, 308P24
		610-077-002	ECPP, Abs, Shd, 4.5", 90°, 350 kHz - 3 mHz, 310P14
		610-054-076	ECPP, Abs, Shd, 4.5", 45°, 20-200 kHz, 204P4
		610-057-076	ECPP, Abs, Shd, 4.5", 45°, 350 kHz - 3 mHz, 206P4
		610-094-111	ECPP, Abs, Shd, 4.5", 90°, 20 - 200 kHz, 312P24
		610-097-111	ECPP, Abs, Shd, 4.5", 90°, 350 kHz - 2 mHz, 314P24
		610-014-000	ECPP, Abs, UNSHD, 4"LG, 20 - 200 kHz, 120P1
		610-017-000	ECPP, Abs, UNSHD, 4"LG, 350 kHz - 3 mHz, 122P1
		118-140-012	CABO COAXIAL SFPA--CBL MD-BNC 6'PL20-5
		640-015-120	Adapter, Lemo 12P-BNC, 40A002A
		640-050-001	TST BLK, 3 NOTCH, 4340 Steel, 29A028
		640-050-002	TST BLK, 3 NOTCH, 7075-T6 Aluminum, 29A029
		640-050-003	TST BLK, 3 NOTCH, Titanium, 29A032
		640-050-004	TST BLK, 3 NOTCH, 304 SST, 29A049
		632-483-011	ECP, REFLECTION, 700P11A, 300 Hz - 100 kHz
		632-483-024	ECP, REFLECTION, 700P24A, 80 Hz - 60 kHz
		074-140-024	ECLN--CBL 4.9' RFLCT
		102M9857	Label, 640-025-004 Kit
		100N2145	Case, Surface Probe Demo Kit
110-020-156	PART -- TAPE TELEFON		

SURFACE PROBE STARTER KIT

Kit part number	Common applications	Component number	Component description
640-025-011	General surface or near surface inspection for cracks in many industries	610-034-002	ECPP, Abs, Shd, 4.5" LG, 20 - 200 kHz, 104P4
		610-037-002	ECPP, Abs, Shd, 4.5" LG, 350 kHz - 3 mHz, 106P4
		610-074-008	ECPP, Abs, Shd, 4.5", 90°, 20 - 200 kHz, 308P24
		610-077-002	ECPP, Abs, Shd, 4.5", 90°, 350 kHz - 3 mHz, 310P14
		610-054-076	ECPP, Abs, Shd, 4.5", 45°, 20-200 kHz, 204P4
		610-057-076	ECPP, Abs, Shd, 4.5", 45°, 350 kHz - 3 mHz, 206P4
		610-094-111	ECPP, Abs, Shd, 4.5", 90°, 20 - 200 kHz, 312P24
		610-097-111	ECPP, Abs, Shd, 4.5", 90°, 350 kHz - 2 mHz, 314P24
		610-014-000	ECPP, Abs, UNSHD, 4"LG, 20 - 200 kHz, 120P1
		610-017-000	ECPP, Abs, UNSHD, 4"LG, 350 kHz - 3 mHz, 122P1
		118-140-012	CABO COAXIAL SFPA--CBL MD-BNC 6'PL20-5
		640-015-120	Adapter, Lemo 12P-BNC, 40A002A
		640-050-001	TST BLK, 3 NOTCH, 4340 Steel, 29A028
		640-050-002	TST BLK, 3 NOTCH, 7075-T6 Aluminum, 29A029
		640-050-004	TST BLK, 3 NOTCH, 304 SST, 29A049
		107M1101	Label, 640-025-011 Kit
		100N2145	Case, Surface Probe Demo Kit
		110-020-156	PART -- TAPE TELEFON