

MPP04-01 Airgun



Handheld probe pusher-puller for eddy current condenser inspection

The MPP04-01 Airgun uses pressurized air to push the probe and to provide power to the pull-back motors. An encoder is integrated in the Airgun to synchronize data-sampling with the probe position. Special Kevlar® probe cables are used with the MPP04-01 Airgun.

Application

- Eddy current technique only
- Straight tubes such as condenser tubes

Controls

Two buttons control the operation of the MPP04-01 Airgun and permits fully automated, one-man operation with a tube list.

Push button: pushes the probe at 6 m/s and starts the MultiScan MS 5800™ with the current tube number. A probe stopper mounted on the cable keeps the probe inside the tube.

Pull button: pulls back the probe and starts data recording. Data acquisition stops and data is stored when this button is released. The tube list is incremented to the next tube.

MultiScan MS 5800 requirements

The MPP04-01 Airgun pulls the probe at the fastest inspection speed supported by the MS5800. The MS5800 must be set up to operate in simultaneous injection mode in order to sample the data at 4 kHz/channel.

The MultiScan MS5800E can support 4 frequencies with differential and absolute inputs (8 channels) at speeds up to 2 m/s (4 kHz).



FEATURES

- Probe speed during push cycle: 4 m/s to 6 m/s
- Probe speed during pull cycle: 2 m/s
- Built-in encoder
- The MPP04-01 Airgun requires the use of TER series detachable probes used with special "Airgun" TEZ-BBG-K20 and TEZ-BBG-K30 cables

TECHNICAL SPECIFICATION

Required air pressure: 7 bars to 10 bars (100 psi to 150 psi)

Pushing speed: approx. 6 m/s (20 ft/s)

Pulling speed: approx. 2 m/s (6 ft/s)

Weight: approx. less than 4 kg (9.0 lb)

Trigger signal: A built-in encoder sends a trigger signal every 0.5 mm.

Probe cable: Soft Kevlar rubber-coated (TEZ-BBG-K20 and TEZ-BBG-K30)

Compatible probes: TER series detachable probes only.



TER series detachable probe



OLYMPUS NDT INC. is ISO 9001 certified.

OLYMPUS[®]

www.olympus-ims.com

info@olympusNDT.com

OLYMPUS CORPORATION

Shinjuku Monolith, 3-1Nishi-Shinjuku2-chome, Shinjuku-ku, Tokyo 163-0914,
Japan, Tel: 81(0)3-6901-4039

OLYMPUS NDT INC.

48 Woerd Avenue, Waltham, MA 02453, USA, Tel.: (1) 781-419-3900

OLYMPUS INDUSTRIAL SYSTEMS EUROPA

Stock Road, Southend-on-Sea, Essex, SS2 5QH, UK, Tel.: (44) (0) 1702 616333

OLYMPUS NDT CANADA INC.

450 Campbell St. Unit 5, Cobourg, Ontario K9A 4C4, Tel.: (1) 905-377-9611

OLYMPUS AUSTRALIA PTY. LTD.

31 Gilby Road, Mount Waverly, Victoria, 3149, Tel.: (61) 130-013-2992

OLYMPUS SINGAPORE PTE LTD.

Valley Point Office Tower, 248373, Tel: (65) 68-34-00-10

MPP04-Airgun_EN_200906 • Printed in Canada • Copyright © 2009 by Olympus NDT.

*All specifications are subject to change without notice. All brands are trademarks or registered trademarks of their respective owners.

