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 MSS800. The MS5800 must be set up to operate in simultaneous injection mode in order to sample the data at 4 kHz/channel.

The MultiScan MS 5800E can support 4 frequencies with differential and absolute inputs (8 channels) at speeds up to 2 m/s (4 kHz).
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