TELETEST™ FOCUS+: UNIQUE FEATURES

ELECTRONICS

The FOCUS+ electronics offer more capabilities over rival products on the market. In addition to the usual testing features, the FOCUS+ electronics are comprised of 24 transmit channels and 24 receive channels with an additional onboard switching capability. Frequency range 10–300 kHz.

This makes FOCUS+ the only equipment that can simultaneously operate in longitudinal and torsional wave mode testing. The torsional only five-transducer, three-ring modules with transducers at two different spacings (30 mm and 45 mm/1.2 in and 1.8 in) provide better penetration in high attenuation pipelines (e.g., buried).

The unit also benefits from wireless capabilities between the laptop and the electronics. FOCUS+ requires no external power, having a 12-hour internal battery and an integrated pump to inflate collars. Collar pressure monitoring is included.

FOCUSING

FOCUS+ is capable of focusing two different ways, to evaluate the circumferential distribution of anomalies. The first is uses a C-scan looking at the receive signal of the test. The second is real-time focusing as opposed to synthetic focusing and uses the tool similar to a phased array concentrating ultrasound at a specific distance from the tool and rotating eight times around the pipe.

USER FRIENDLY

FOCUS+ is an extremely user-friendly system. The software is freely available—no USB or key code necessary. The software automatically selects the test frequency most suitable for the pipe geometry. Additionally, focusing is only one click away. Collars 152–610 mm (6–24 in) are one piece with no awkward clips, screws, or bolts. Daisy-chaining collars enables inspecting lines up to 2.4 m (96 in) in diameter.

The standard maximum operating temperature is 125 °C (257 °F). A high-temperature option is available with a maximum operating temperature of 350 °C (662 °F).

Our unique minitest kit enables inspecting closely bundled pipes 38.1–101.6 mm (1.5–4 in) with a light carbon fiber tool compared to expensive heavy fixed-tools on the market.

SUPPORT

Eddyfi Technologies offers the full spectrum of support to our customers. We have the ability to train, mentor, rent additional equipment, supply trained technicians for overspill work, and review L2/L3 reports. Anything to enable our customers to provide the best guided wave inspections to theirs. Finally, if there is a failure, we can respond quickly with backup equipment and fix the problem.

TRAINING AND CERTIFICATION

Eddyfi Technologies offers CSWIP certified training. Personnel with levels 1, 2, or 3 FOCUS+ technique training may be examined and, if successful, certified. Examination eligibility requirements, examination format, and rules governing certificate validity and renewal comply, as a minimum, with ISO 9712(1) and EN 473(2). This certification offers you the assurance that technicians are competent with the technique, which serves to give you the best available results for each inspection.

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