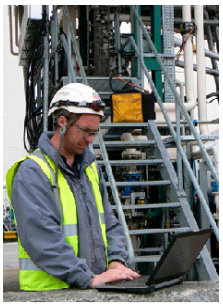
TELETEST™ FOCUS+ GOT BETTER WITH WI-FI



As part of Eddyfi Technologies continuous drive for improvement of Teletest™ FOCUS+ guided wave inspection system, it is now equipped with Wi-Fi.

The Wi-Fi-enabled FOCUS+ were used successfully on site with a range of up to 50 m (164 ft) between laptop and electronics, offering a significant benefit to the operator.

The original FOCUS+ system development was a two-year undertaking in collaboration with Plant Integrity, key industrial partners, and TWI's Long-Range Ultrasonics Group, providing a pulser-receiver unit that not only improved guided wave inspection for site technicians, but also provides the optimal platform for guided wave research and development. This has proven invaluable for research projects such as tank integrity monitoring, permanently installed on pipelines and other condition monitoring projects.

The FOCUS+ pulser-receiver unit continues to benefit from Ethernet communication, and 24 independent transmit and receive channels for quick data collection. Better range and sensitivity was achieved by maintaining the FOCUS+ standard output voltage of 300 V peak-to-peak with improved sampling resolution and filtering.

Key features introduced in the previous electronics unit such as an internal electric pump for inflation of collars and GPS have proven so popular that they have remain in the new unit. Inspection of pipelines is still operated in octants to fully use the A-map (unrolled pipe) and secondary focusing technique unique to FOCUS+.

All this additional functionality has not compromised the weight of the electronics with a 45 % reduction over the previous versions at 8 kg (17.6 lb).

FOCUS+ is fully backward compatible with tooling and WaveScan software. FOCUS+ operates in MultiMode configuration, simultaneously providing longitudinal and torsional wave mode inspection. In addition, a new five-ring torsional module was launched that provides a high-amplitude, broad-frequency range torsional inspection when that additional power is necessary, without the need to change transducer spacing.

SPECIFICATIONS

- Standard output voltage: 300 V peak-to-peak
- Number of transducer channels: 80
- Maximum number of averages: 1 000 000
- Maximum sample range: 1000 ms
- Receiving gain range: 1–120 dB in 1 dB steps
- Weight: 8 kg (17.6 lb)
- Dimensions: 33×33×14 cm (13×13×5.5 in)
- Battery autonomy: 10 hours typical
- Display: OLED
- Communication protocols: Wi-Fi, Ethernet
- Operating systems: Windows® XP, Windows 7
- Automated self-check: Standard
- Integrated air pump: Standard

Eddyfi Technologies