TECHNICAL BRIEF

TELETEST™ FOCUS+: FROM PIPE SCREENING TO PIPE INSPECTION

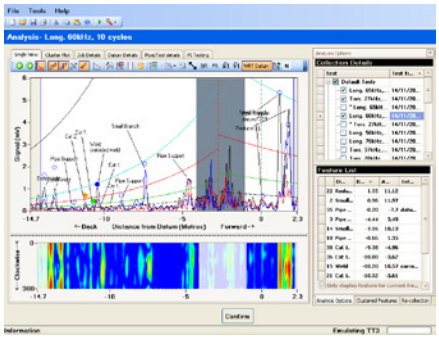
Eddyfi Technologies has just released its brand new Teletest FOCUS+ pipe inspection system.

This is the first commercial product offering all the benefits of conventional guided wave screening technology with the added feature of focusing the sound energy into a specific region of the pipe to measure the distribution of corrosion around the circumference at a specific distance. This is especially valuable for inaccessible pipe work enabling end users to make more informed decisions about the need for further action.

FOCUS+ introduces major improvements:

SOFTWARE

The user-friendly FOCUS+ software was designed with the operator in mind. It guides operators through the setup and performs most of its functions automatically without user input. Additionally, to focus on localized areas is simply one click away.



Particular attention was paid to the report manager, enabling the rapid generation of high-quality reports.

UNIT

The FOCUS+ unit incorporates all the feedback received from operators. The computer-controlled unit is battery operated with an integrated pump for collar inflation. The unit also integrates GPS and is simple to connect. Permanently wired in octants, the unit has the capability of focusing without having to be reconfigured.

COLLARS

This radical design combines the latest carbon-Kevlar® composite and a latch design to offer a single-piece tool with an integral bladder that is light and easy to use. Using the latest CAD software allowed to improve coupling between the transducers and the pipe, maximizing the amplitude of the signal. The collars incorporate MultiMode™ modules that generate torsional and longitudinal wave modes and offer operators a more versatile equipment to make more informed judgements.

Finally, collar sizes 10–61 cm (4–24 in) provide users the ability to test 10–122 cm (4–48 in) pipes by simply linking the collars together. (Other modules and transducers are necessary.)

Eddyfi Technologies

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