



Ultrasonic Leak Detection Equipment

AccuCorr 3000™

Leak noise correlation is the most effective method of pinpointing leaks in buried pipelines. Once leakage has been localized to a particular area of the network, the correlator enables leakage staff to identify precisely where the leak is located along the pipe. In most cases the leak can then be confirmed audibly prior to excavation and repair.

AccuCorr 3000 is the first fully digital system. This enables it to achieve performance levels well in excess of previous analog-based systems, with important benefits to the user.



Digital Sensor

- ▶ New sensor with improved sensitivity to low frequency noise (for plastic and large diameter pipes and low pressure situations) – down to 0.1Hz
- ▶ Wider dynamic range than any previous sensor – can distinguish leak noises 10 times quieter than previous sensors
- ▶ True 16 bit $\Sigma\Delta$ ADC with 10kHz sampling
- ▶ Immediate digitization of received signal
- ▶ Independent of sensor orientation (vertical/horizontal)
- ▶ Low noise electronics with digital protocol eliminates interference
- ▶ Longer sensor cables possible



Digital Radio Outstation

- ▶ Two-way communication with control unit using transceiver technology
- ▶ No data loss, interference or distortion of the transmitted signal
- ▶ Single UHF radio frequency for all outstations
- ▶ Improved dynamic range over analog radios
- ▶ High speed data transmission using transform coding techniques
- ▶ No “line of sight” or directional restrictions

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