



JD7 Investigator™



Benefits

- Tri sensor head (CCTV, hydrophone and sonde)
- Pressurized insertion upto 16bar
- Extremely robust camera head with bend mechanism
- Interchangeable hi-resolution CCTV and hydrophone system
- On-board hydrophone for precise leak detection
- Sonde for above ground location
- Ruggedized control station
- Real-time analysis software

Description

Pressurized pipe inspection and leak detection system. The system is used for 3" diameter pipework and above for complete asset condition examination and leak finding. Access through fire hydrants*, 1.5in. and above pressure fittings, air valves, gate valves and Quadrina's at full mains pressure.

The JD7 Investigator is an asset management and leak detection tool for insertion into pressurized pipelines up to 16 bar.

The system is mounted onto pipework through a selection of fittings and/or 'hot tappings'. This process makes access into the pipework simple and cost effective.

Monitoring the real-time data captured by the camera and hydrophone sensor head allows the operator to understand internal pipework conditions and leakage points. The maximum distance for each insertion is 100m due to the length of the cable supplied with the system. During insertion the maximum distance achievable will be influenced by the pipe diameter, internal condition and number of bends present. The JD7 software is specific for the Investigator technology and is used to control the sensor head and view both video and acoustic results from live surveys. The software displays video in a resizable window and also acoustic results in order of amplitude and frequency. The software also operates the sonde which is built into the camera sensor head. The system is compatible with JD7LiveFeed software for maximum performance

Full tailored training courses and on-site assistance engineers available on request.



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Winner of the Pipeline Industry
Guild's - Utility Pipeline
Technology Award

Specifications

- Two options for camera head sizes (22mm dia. and 37mm dia.)
37mm comes as standard
- Sensor head stainless steel with quick release connectors
(pressurized capability to 16bar)
- Sensor head wide angle optic, fix focus (PAL system) with
illumination 3 Lux at F1.2
- Sensor head high powered 512Hz sonde
- Electronic push/pull drive system with seal arrangement and
control box
- Cable is 100m with Nylon outer protective sheath (flexi and
rigid options available)
- Cable drum assembly approx. 800x750x350mm with slip ring
and encoder (1% accuracy)
- Hydrophone resonant frequency: 240 kHz (Nominal)
- Hydrophone beam pattern circumferential: omni ± 2 dB up to
100 kHz Beam Pattern Horizontal: Omni ± 4 dB up to 100 kHz
- Operating Temperature: -5 to +40°C
- Control box with Panasonic Toughbook and 12v internal power
supply
- JD7 Investigator software with video and acoustic analysis
software

***JD7 cannot guarantee access through
fire hydrants due to variations in
design and conditions.**



”Asset management
and leak detection tool”.

Contact

JD7 Technology Ltd
Unit 8, Masons Place Business Park
Nottingham Road, Derby
DE21 6YZ
United Kingdom
Tel: +44 (0)1332 200563
Email: info@jd7.co.uk
Website: www.jd7.co.uk

