

CTOOL



PATENT PENDING

COST EFFECTIVE AVAILABLE GETS THE JOB DONE

The caliper tool (CTOOL) is designed to provide pipeline operators with the necessary information required to make quick and cost effective decisions.

Operators only need the information that is relevant for safe and efficient operation of their pipeline. The CTOOL will provide the required information in a very cost effective manner, as the tool is designed to detect only those pipeline anomalies that exceed code, operating parameters or that would affect the passage of Inline Inspection tools (ILI).

Logged information can be quickly provided to the operator on removal of the CTOOL from the pipeline, allowing for immediate decision-making.

This CTOOL utilizes both electronic recording and a resilient detector disc that will record all anomalies that exceed a specified limit. More than one size of a resilient detector disc can be used on each inspection. The CTOOL will also identify the clock position of the anomaly. Detection limits are supplied by the pipeline operator according to operating parameters, code or from information supplied by the ILI vendor.

The CTOOL identifies anomalies by time and distance. Recorded time and distance along with tracker identified above ground references (AGR's) are used to correlate the location of the anomaly and the resilient detector disc markings will identify the size and shape of the anomaly. In many cases the markings will identify what is causing the anomaly.

All CTOOL times are GPS time synchronized to facilitate the locating of any anomalies.

The CTOOL technician will work with the pipeline operator before the inspection to identify known fittings, valves, anomalies, or other locations of special interest. The CTOOL'S time of passage can be recorded at each of these locations to assist in

identifying anomaly locations. This information will be correlated with the CTOOL'S recorded information to clearly identify and locate anomalies. Anomalies located between AGR's will be located using the CTOOL run data. This data can also be correlated with information from other ILI data to confirm anomaly location.

CTOOL Specifications

CTOOL sizes	76mm to 914mm (3" Through 36")
Run time	Greater than 1,000 hours
Run distance	700 kms (400 miles)
Bend capability	3d bends Special configurations for 90 degree bends
Maximum restriction	30%
Bend radius capability	
360 Degree reporting	
Odometer	
Precise measurement (no scaling or calibration)	
Solid state digital dual electronics	
Anomaly identified by clock position	
Redundant recording of all anomalies	
Logged information (10 min per 100km)	
Times are GPS time synchronized	

FOR FURTHER INFORMATION CONTACT



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Other products:
Pigs, Pipeplugs, Piggable Isolation Tool,
Pigtraps, Pipe Repair Clamps,
Meter Prover Spheres/Detctors, Connectors
OilRecovery.