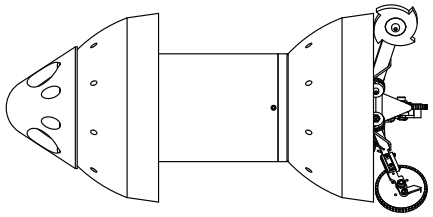
DdL™ DIGITEL DATA LOGGER

10 inch - Technical Specifications



DESIGN

Tool Attributes

Odometer Channels	2
Odometer Resolution	500 times a second sampling
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

DATA SETS (# Sensors)

Caliper	12
Gyros	3
Accelerometers	3

OPERATIONAL

Max. Pressure	1875 psi (12928 kPa)
Temp. Range	32 to 170 °F (0 to 77 °C)
Velocity	≈ 0.1 to 10 mph (0.04 to 4.0 m/s)
Required Differential Pressure	25 to 60 psi (172 to 414 kPa)

IMU SPECIFICATIONS @ 3 to 8 mph (1.3 to 3.6 m/s)

	Gyros	Accelerometers
Latitude	±1 m, 1 σ	Additional information available upon request
Longitude	±1 m, 1 σ	
Elevation	±1 m, 1 σ	

DIMENSIONS

Length	23.41 in (595 mm)
Weight	39.31 lb (18 kg)

TOOL RANGE

* Run Time	185 hours

PIPELINE GEOMETRY REQUIREMENTS in (mm)

Minimum Local Bore	25% of pipe O.D.
Min. Bend Radius	1.5D
Min. Bend Separation	Capable of back to back bends

REPORTING in (mm)

Dent/Ovality Sizing

Dent Depth Sizing	± 0.5% of Pipe O.D.
Dent Length Sizing	± 10% of Pipe O.D.
Ovality Depth Sizing	± 0.5% of Pipe O.D.

Bend Measurement

Angle Accuracy	± 2 degrees

Location Accuracy

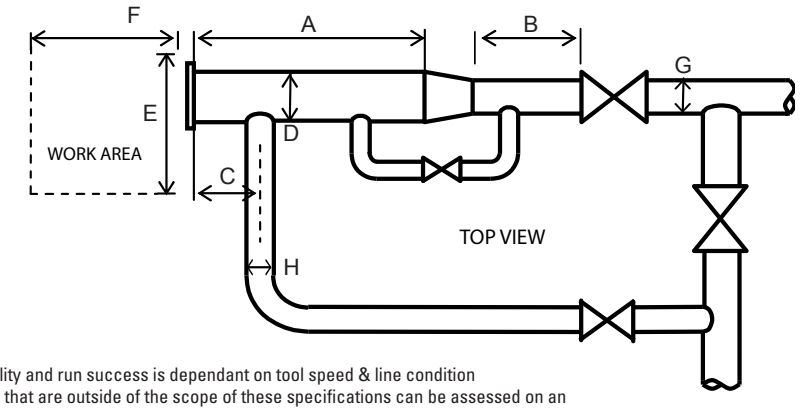
Feature to Upstream Girth Weld	± 1.00 (25)
Feature to Upstream Marker	± 60.00 (1524)
Feature Orientation	± 15 degrees

Axial Sampling
1.5 inches (depending on line condition, tool speed, and line length).

Notes:

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)

Traps	A	B	C	D	E	F	G	H
Launcher	35 (889)	12 (305)	18 (457)	12 (305)	58 (1473)	95 (2413)	10 (254)	4 (102)
Receiver	35 (889)	35 (889)	18 (457)	12 (305)	58 (1473)	95 (2413)	10 (254)	4 (102)



Notes:

- Data quality and run success is dependant on tool speed & line condition
- Pipelines that are outside of the scope of these specifications can be assessed on an individual basis; please contact Enduro.
- Tool design may vary from image above.

* Increased run time available with additional battery packs