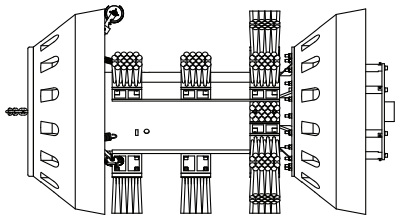
DdL™
DIGITEL DATA LOGGER

42 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	24
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	5 to 20 psi (34 to 138 kPa)

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

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	74.42 in (1891 mm)
Weight	1378.07 lb (625 kg)

TOOL RANGE	
* Run Time	163 hours

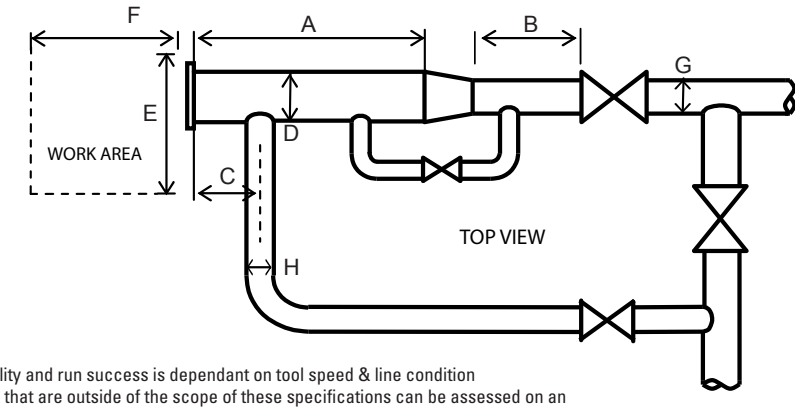
REPORTING	in (mm)
Dent/Ovality Sizing	
Dent Depth Sizing	± 0.5% of Pipe O.D.
Dent Length Sizing	± 10% of Pipe O.D.
Ovality Depth Sizing	± 0.5% of Pipe O.D.
Bend Measurement	
Angle Accuracy	± 2 degrees
Location Accuracy	
Feature to Upstream Girth Weld	± 1.00 (25)
Feature to Upstream Marker	± 60.00 (1524)
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	86 (2184)	37 (940)	18 (457)	44 (1118)	90 (2286)	146 (3708)	42 (1067)	10 (254)
Receiver	86 (2184)	86 (2184)	18 (457)	44 (1118)	90 (2286)	146 (3708)	42 (1067)	10 (254)



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