

**DESIGN**

Tool Attributes	
Odometer Channels	2
Odometer Resolution	0.100 in (2.54 mm)
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

**DATA SETS (# Sensors)**      **OPERATIONAL**

Metal Loss	10 inch #72	Max. Pressure	1650 psi (11376 kPa)
	12 inch #72	Temp. Range	32 to 140 °F (0 to 60 °C)
IDOD	36	Velocity	≈ 0.1 to 8 mph (0.04 to 3.6 m/s)
Caliper	36	Required Differential Pressure	25 to 60 psi (172 to 414 kPa)

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

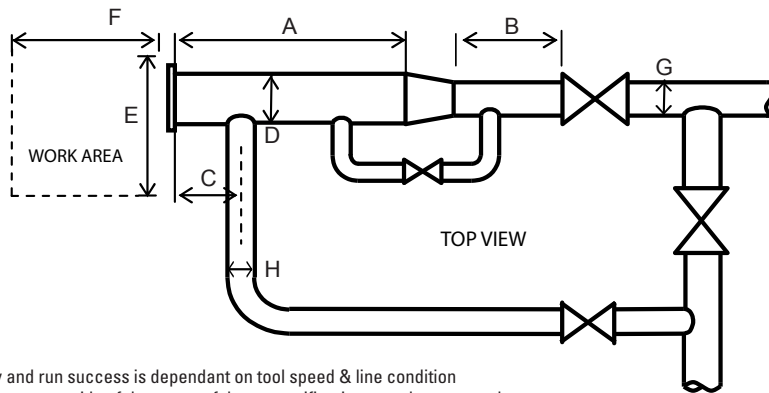
	<b>Gyros</b>	<b>Accelerometers</b>	Length	117 in (2972 mm)
Latitude	±1 m, 1 σ	Additional information available upon request	Weight	404 lb (183 kg)
Longitude	±1 m, 1 σ		<b>TOOL RANGE @ 3 mph (1.3 m/s)</b>	
Elevation	±1 m, 1 σ		* Run Time	69 hours

**PIPELINE GEOMETRY REQUIREMENTS**      in (mm)

Local Min. Cross Sectional Diameter (in straight pipe - Dent, Buckle, etc.)	8.60 (218.44)
Feature Bore Restriction Diameter (Tee, Valve, etc.)	9.25 (234.95)
Min. Bend Radius	3D in 10 inch; 1.5D in 12 inch
Min. Bend Separation	6.38 (162.05)
Min. Tee Separation (centerline to centerline)	32.00 (812.80)
Max. Passable Wall Thickness	0.750 (19.05)
Max. Recordable Wall Thickness	0.625 (15.88)

**SUGGESTED MINIMUM TRAP DIMENSIONS** in (mm)

Traps	A	B	C	D	E	F	G	H
Launcher	129 (3277)	59 (1499)	18 (457)	14 (356)	60 (1524)	189 (4801)	10 (254)	4 (102)
Receiver	129 (3277)	129 (3277)	18 (457)	14 (356)	60 (1524)	189 (4801)	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

Data is subject to change without notice | 10x12" DfL 0700-4B-25809 Rev. 4  
11/6/2015 - 0700-19-17609 rev 3

**10 x 12  
inch**

**REPORTING**

Metal Loss	ERW	Seamless
Min. Depth Sizing (POD 90%)	10%	15%
Sizing Accuracy - Depth	± 10% (.10t)	± 15% (.15t)
Sizing Accuracy - Length	± 0.50 in (13 mm)	
<b>Geometry Data</b>		
Reporting Threshold	0.50% of Pipe O.D. (0.07 in)	
Sizing Accuracy - Depth	0.07 in (1.78 mm)	

**Location Accuracy**

Axial: ± 0.01% within a joint  
Circumferential: ± 10°

**Bend Data**

Angle Accuracy ± 2°  
Direction ± 10°  
Radius ± 0.2D

**Notes:**

