

**DESIGN**

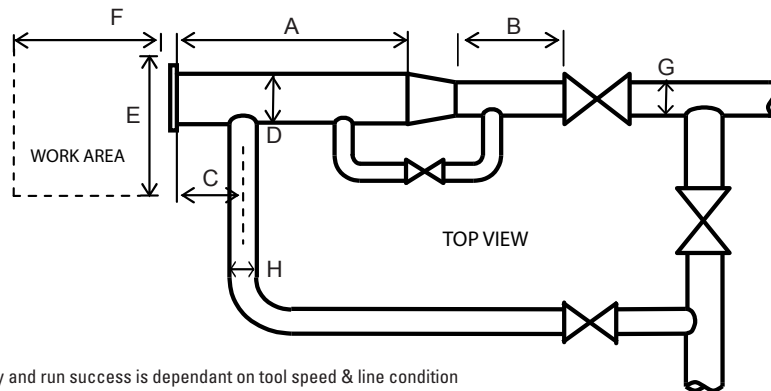
Tool Attributes	
Odometer Channels	2
Odometer Resolution	0.100 in (2.54 mm)
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

DATA SETS (# Sensors)		OPERATIONAL	
Metal Loss	36	Max. Pressure	1650 psi (11376 kPa)
Residual	36	Temp. Range	32 to 140 °F (0 to 60 °C)
IDOD	18	Velocity	≈ 0.1 to 8 mph (0.04 to 3.6 m/s)
Caliper	18	Required Differential Pressure	30 to 100 psi (207 to 689 kPa)

PIPELINE GEOMETRY REQUIREMENTS		in (mm)
Local Min. Cross Sectional Diameter (in straight pipe - Dent, Buckle, etc.)		5.30 (134.62)
Feature Bore Restriction Diameter (Tee, Valve, etc.)		5.50 (139.70)
Min. Bend Radius		1.5D has max w.t. of 0.500 (12.70)
Min. Bend Separation		9.93 (252.22)
Min. Tee Separation (centerline to centerline)		13.25 (336.55)
Max. Passable Wall Thickness		0.562 (14.27)
Max. Recordable Wall Thickness		0.432 (10.97)

IMU SPECIFICATIONS @ 3 – 8 mph / (1.3 to 3.6 m/s)		DIMENSIONS	
<b>Gyros</b>	<b>Accelerometers</b>	Length	81 in (2057 mm)
Latitude ±1 m, 1 σ	Additional information available upon request	Weight	83 lb (38 kg)
Longitude ±1 m, 1 σ		<b>TOOL RANGE @ 3 mph (1.3 m/s)</b>	
Elevation ±1 m, 1 σ		* Run Time	91 hours

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	93 (2362)	41 (1041)	18 (457)	8 (203)	54 (1372)	153 (3886)	6 (152)	2 (51)
Receiver	93 (2362)	93 (2362)	18 (457)	8 (203)	54 (1372)	153 (3886)	6 (152)	2 (51)



- 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 | 6-1.5D™ DfL 0700-4B-16953 Rev. 4  
11/6/2015 - 0700-19-19494 rev 3

**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. (0.04 in)	
Sizing Accuracy - Depth	0.04 in (1.02 mm)	
<b>Location Accuracy</b>	<b>Notes:</b>	
Axial: ± 0.01% within a joint		
Circumferential: ± 10°		
<b>Bend Data</b>		
Angle Accuracy	± 2°	
Direction	± 10°	
Radius	± 0.2D	

