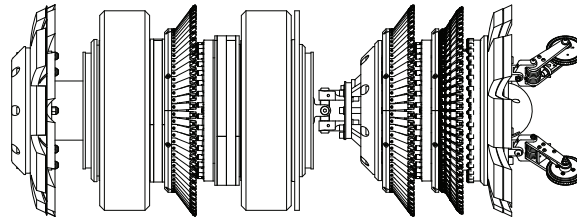




# DfL™ DIGITEL FLUX LOGGER



## 22 inch - Technical Specifications

### DESIGN

#### Tool Attributes

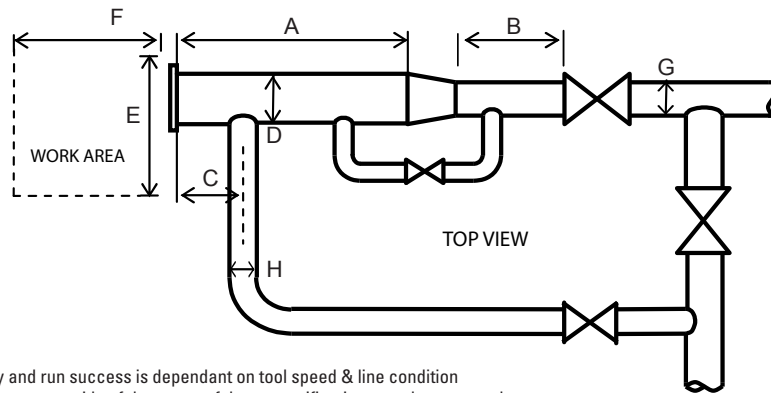
Odometer Channels	2
Odometer Resolution	0.100 in (2.54 mm)
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

DATA SETS (# Sensors)		OPERATIONAL	
Metal Loss	144	Max. Pressure	1650 psi (11376 kPa)
Residual	144	Temp. Range	32 to 140 °F (0 to 60 °C)
IDOD	72	Velocity	≈ 0.1 to 8 mph (0.04 to 3.6 m/s)
Caliper	72	Required Differential Pressure	5 to 25 psi (34 to 172 kPa)

IMU SPECIFICATIONS @ 3 – 8 mph / (1.3 to 3.6 m/s)		DIMENSIONS	
	<b>Gyros</b>		<b>TOOL RANGE @ 3 mph (1.3 m/s)</b>
Latitude	±1 m, 1 σ	Length	62 in (1575 mm)
Longitude	±1 m, 1 σ	Weight	793 lb (360 kg)
Elevation	±1 m, 1 σ		* Run Time 46 hours
	<b>Accelerometers</b>		
	Additional information available upon request		

PIPELINE GEOMETRY REQUIREMENTS	in (mm)
Local Min. Cross Sectional Diameter (in straight pipe - Dent, Buckle, etc.)	17.60 (447.04)
Feature Bore Restriction Diameter (Tee, Valve, etc.)	19.75 (501.65)
Min. Bend Radius	1.5D
Min. Bend Separation	11.00 (279.40)
Min. Tee Separation (centerline to centerline)	55.00 (1397.00)
Max. Passable Wall Thickness	1.125 (28.58)
Max. Recordable Wall Thickness	0.750 (19.05)

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	74 (1880)	31 (787)	18 (457)	24 (610)	70 (1778)	134 (3404)	22 (559)	6 (152)
Receiver	74 (1880)	74 (1880)	18 (457)	24 (610)	70 (1778)	134 (3404)	22 (559)	6 (152)



#### 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 | 22" DfL 0700-4B-18757 Rev. 4  
11/6/2015 - 0700-19-10991 rev 2

**22 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)	
Geometry Data		
Reporting Threshold	0.50% of Pipe O.D. (0.11 in)	
Sizing Accuracy - Depth	0.11 in (2.79 mm)	
Location Accuracy		
Axial: ± 0.01% within a joint		
Circumferential: ± 10°		
Bend Data		
Angle Accuracy	± 2°	
Direction	± 10°	
Radius	± 0.2D	

#### Notes:



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