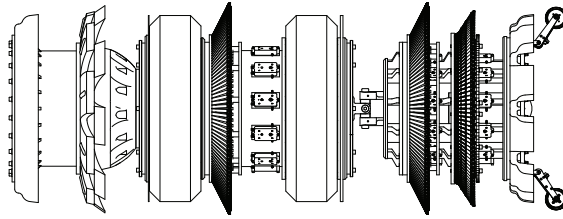




DfL™ DIGITEL FLUX LOGGER



36 inch - Technical Specifications

DESIGN

Tool Attributes

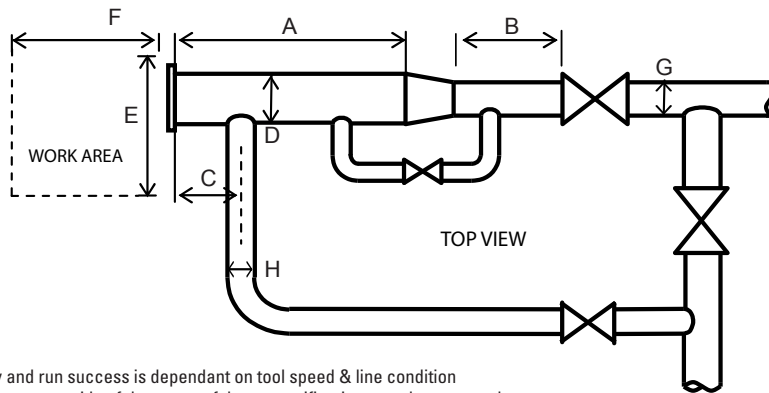
Odometer Channels	2
Odometer Resolution	0.100 in (2.54 mm)
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

DATA SETS (# Sensors)		OPERATIONAL	
Metal Loss	264	Max. Pressure	1650 psi (11376 kPa)
Residual	264	Temp. Range	32 to 140 °F (0 to 60 °C)
IDOD	132	Velocity	≈ 0.1 to 8 mph (0.04 to 3.6 m/s)
Caliper	132	Required Differential Pressure	5 to 20 psi (34 to 138 kPa)

IMU SPECIFICATIONS @ 3 – 8 mph / (1.3 to 3.6 m/s)		DIMENSIONS	
Gyros	Accelerometers	Length	106 in (2692 mm)
Latitude	±1 m, 1 σ	Weight	3675 lb (1667 kg)
Longitude	±1 m, 1 σ	TOOL RANGE @ 3 mph (1.3 m/s)	
Elevation	±1 m, 1 σ	* Run Time	30 hours
	Additional information available upon request		

PIPELINE GEOMETRY REQUIREMENTS	in (mm)
Local Min. Cross Sectional Diameter (in straight pipe - Dent, Buckle, etc.)	28.80 (731.52)
Feature Bore Restriction Diameter (Tee, Valve, etc.)	33.00 (838.20)
Min. Bend Radius	1.5D
Min. Bend Separation	18.00 (457.20)
Min. Tee Separation (centerline to centerline)	90.00 (2286.00)
Max. Passable Wall Thickness	1.500 (38.10)
Max. Recordable Wall Thickness	0.750 (19.05)

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	118 (2997)	53 (1346)	18 (457)	38 (965)	84 (2134)	178 (4521)	36 (914)	10 (254)
Receiver	118 (2997)	118 (2997)	18 (457)	38 (965)	84 (2134)	178 (4521)	36 (914)	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

Data is subject to change without notice | 36" DfL 0700-4B-25814 Rev. 4
11/6/2015 - 0700-19-10504 rev 2

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. (0.18 in)	
Sizing Accuracy - Depth	0.18 in (4.57 mm)	

Location Accuracy

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

Bend Data

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

Notes:

36 inch



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PIPELINE SERVICES, INC.