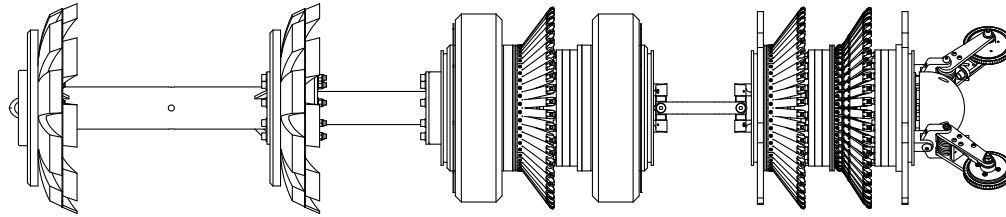




DfL™ DIGITEL FLUX LOGGER

14x16 inch - Technical Specifications



DESIGN

Tool Attributes

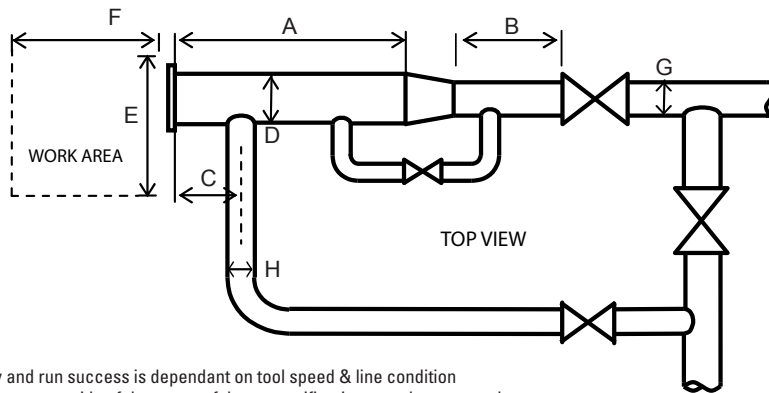
Odometer Channels	2
Odometer Resolution	0.100 in (2.54 mm)
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

DATA SETS (# Sensors)		OPERATIONAL	
Metal Loss	96	Max. Pressure	1650 psi (11376 kPa)
Residual	96	Temp. Range	32 to 140 °F (0 to 60 °C)
IDOD	48	Velocity	≈ 0.1 to 8 mph (0.04 to 3.6 m/s)
Caliper	48	Required Differential Pressure	15 to 50 psi (103 to 345 kPa)

PIPELINE GEOMETRY REQUIREMENTS	in (mm)
Local Min. Cross Sectional Diameter (in straight pipe - Dent, Buckle, etc.)	11.20 (284.48)
Feature Bore Restriction Diameter (Tee, Valve, etc.)	12.20 (309.88)
Min. Bend Radius	3D in 14 inch; 1.5D in 16 inch
Min. Bend Separation	8.00 (203.20)
Min. Tee Separation (centerline to centerline)	34.00 (863.60)
Max. Passable Wall Thickness	0.812 (20.62)
Max. Recordable Wall Thickness	0.688 (17.48)

IMU SPECIFICATIONS @ 3 – 8 mph / (1.3 to 3.6 m/s)		DIMENSIONS	
Gyros	Accelerometers	Length	83 in (2108 mm)
Latitude ±1 m, 1 σ	Additional information available upon request	Weight	415 lb (188 kg)
Longitude ±1 m, 1 σ		TOOL RANGE @ 3 mph (1.3 m/s)	
Elevation ±1 m, 1 σ		* Run Time	59 hours

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	95 (2413)	42 (1067)	18 (457)	18 (457)	64 (1626)	155 (3937)	14 (356)	4 (102)
Receiver	95 (2413)	95 (2413)	18 (457)	18 (457)	64 (1626)	155 (3937)	14 (356)	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 | 14x16" DfL 0700-4B-25810 Rev. 4
11/6/2015 - 0700-19-12979 rev 2

**14 x 16
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. (0.08 in)	
Sizing Accuracy - Depth	0.08 in (2.03 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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