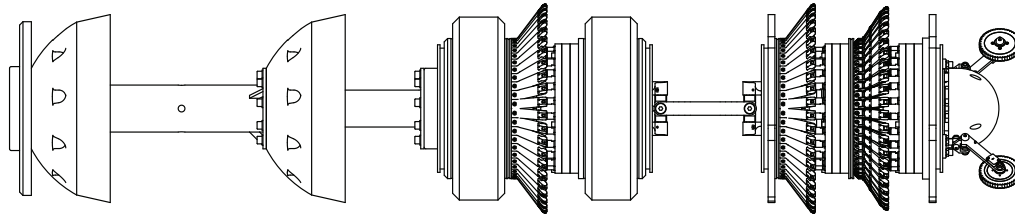




DfL™ DIGITEL FLUX LOGGER

14 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		1.5D
Min. Bend Separation		4.31 (109.47)
Min. Tee Separation (centerline to centerline)		32.00 (812.80)
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	75 in (1905 mm)
Latitude ±1 m, 1 σ	Additional information available upon request	Weight	371 lb (168 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	87 (2210)	38 (965)	18 (457)	16 (406)	62 (1575)	147 (3734)	14 (356)	4 (102)
Receiver	87 (2210)	87 (2210)	18 (457)	16 (406)	62 (1575)	147 (3734)	14 (356)	4 (102)

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. (0.07 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:

- 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 | 14" DfL 0700-4B-17397 Rev. 4
 11/6/2015 - 0700-19-12717 rev 3

14 inch

