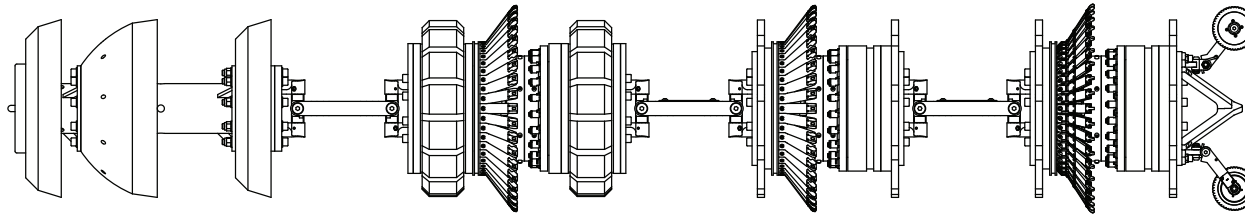




DfL™ DIGITEL FLUX LOGGER

12 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	84	Max. Pressure	1650 psi (11376 kPa)
Residual	84	Temp. Range	32 to 140 °F (0 to 60 °C)
IDOD	42	Velocity	≈ 0.1 to 8 mph (0.04 to 3.6 m/s)
Caliper	42	Required Differential Pressure	20 to 50 psi (138 to 345 kPa)

PIPELINE GEOMETRY REQUIREMENTS		in (mm)
Local Min. Cross Sectional Diameter (in straight pipe - Dent, Buckle, etc.)		10.20 (259.08)
Feature Bore Restriction Diameter (Tee, Valve, etc.)		11.12 (282.45)
Min. Bend Radius		1.5D
Min. Bend Separation (1.5D Bends)		6.38 (162.05)
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	88 in (2235 mm)
Latitude ±1 m, 1 σ	Additional information available upon request	Weight	348 lb (158 kg)
Longitude ±1 m, 1 σ		TOOL RANGE @ 3 mph (1.3 m/s)	
Elevation ±1 m, 1 σ		¹ Run Time	64 hours

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	100 (2540)	44 (1118)	18 (457)	14 (356)	60 (1524)	160 (4064)	12 (305)	4 (102)
Receiver	100 (2540)	100 (2540)	18 (457)	14 (356)	60 (1524)	160 (4064)	12 (305)	4 (102)

REPORTING

Metal Loss	ERW	Seamless
Min. Depth Sizing (POD 90%)	10%	15%
Sizing Accuracy - Depth	± 10% (.10t)	± 15% (.15t)
Sizing Accuracy - Length	± 0.467 in (12 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 | 12" DfL 0700-4B-17012 Rev. 4
 11/6/2015 - 0700-19-13979 rev 4

12 inch

