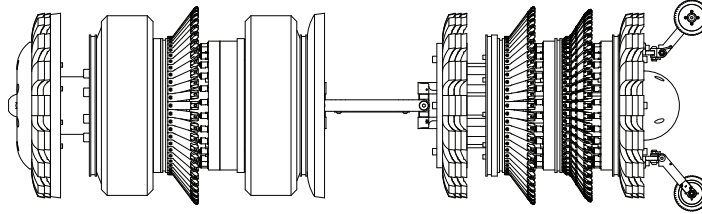




DfL™
DIGITEL FLUX LOGGER



16 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	108	Max. Pressure	1650 psi (11376 kPa)
Residual	108	Temp. Range	32 to 140 °F (0 to 60 °C)
IDOD	54	Velocity	≈ 0.1 to 8 mph (0.04 to 3.6 m/s)
Caliper	54	Required Differential Pressure	10 to 45 psi (69 to 310 kPa)

PIPELINE GEOMETRY REQUIREMENTS		in (mm)
Local Min. Cross Sectional Diameter (in straight pipe - Dent, Buckle, etc.)		12.80 (325.12)
Feature Bore Restriction Diameter (Tee, Valve, etc.)		14.25 (361.95)
Min. Bend Radius		1.5D
Min. Bend Separation		8.00 (203.20)
Min. Tee Separation (centerline to centerline)		34.00 (863.60)
Max. Passable Wall Thickness		0.875 (22.23)
Max. Recordable Wall Thickness		0.750 (19.05)

IMU SPECIFICATIONS @ 3 – 8 mph / (1.3 to 3.6 m/s)		DIMENSIONS	
Gyros	Accelerometers	Length	61 in (1549 mm)
Latitude ±1 m, 1 σ	Additional information available upon request	Weight	493 lb (224 kg)
Longitude ±1 m, 1 σ		TOOL RANGE @ 3 mph (1.3 m/s)	
Elevation ±1 m, 1 σ		* Run Time	55 hours

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	73 (1854)	31 (787)	18 (457)	18 (457)	64 (1626)	133 (3378)	16 (406)	4 (102)
Receiver	73 (1854)	73 (1854)	18 (457)	18 (457)	64 (1626)	133 (3378)	16 (406)	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. (0.08 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:

- 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 | 16" DfL 0700-4B-18290 Rev. 4
11/6/2015 - 0700-19-14453 rev 3

16 inch

