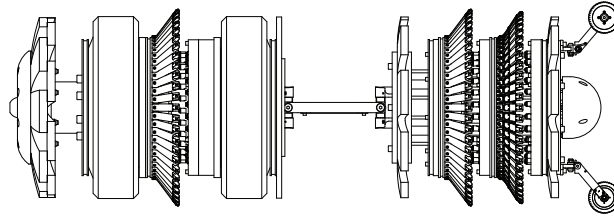




DfL™ DIGITEL FLUX LOGGER



18 inch - Technical Specifications

DESIGN

Tool Attributes

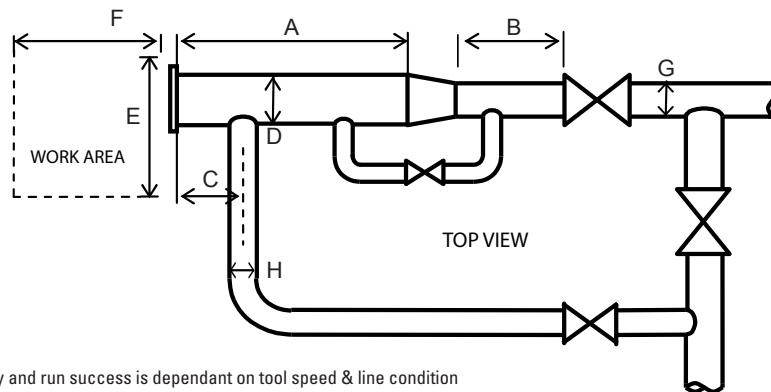
Odometer Channels	2
Odometer Resolution	0.100 in (2.54 mm)
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

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 40 psi (69 to 276 kPa)

IMU SPECIFICATIONS @ 3 – 8 mph / (1.3 to 3.6 m/s)		DIMENSIONS	
	Gyros		TOOL RANGE @ 3 mph (1.3 m/s)
Latitude	±1 m, 1 σ	Length	59 in (1499 mm)
Longitude	±1 m, 1 σ	Weight	547 lb (248 kg)
Elevation	±1 m, 1 σ		* Run Time 55 hours
	Accelerometers		
	Additional information available upon request		

PIPELINE GEOMETRY REQUIREMENTS	in (mm)
Local Min. Cross Sectional Diameter (in straight pipe - Dent, Buckle, etc.)	14.25 (361.95)
Feature Bore Restriction Diameter (Tee, Valve, etc.)	16.25 (412.75)
Min. Bend Radius	1.5D
Min. Bend Separation	9.00 (228.60)
Min. Tee Separation (centerline to centerline)	45.00 (1143.00)
Max. Passable Wall Thickness	0.875 (22.23)
Max. Recordable Wall Thickness	0.750 (19.05)

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	71 (1803)	30 (762)	18 (457)	20 (508)	66 (1676)	131 (3327)	18 (457)	6 (152)
Receiver	71 (1803)	71 (1803)	18 (457)	20 (508)	66 (1676)	131 (3327)	18 (457)	6 (152)



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 | 18" DfL 0700-4B-18294 Rev. 4
11/6/2015 - 0700-19-19044 rev 2

18 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. (0.09 in)	
Sizing Accuracy - Depth	0.09 in (2.29 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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