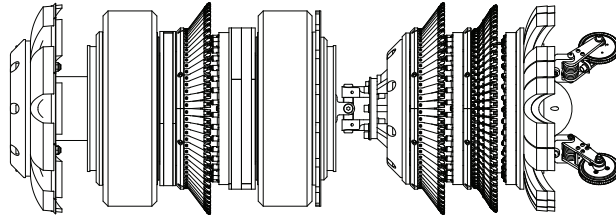




DfL™
DIGITEL FLUX LOGGER



20 inch - Technical Specifications

DESIGN

Tool Attributes

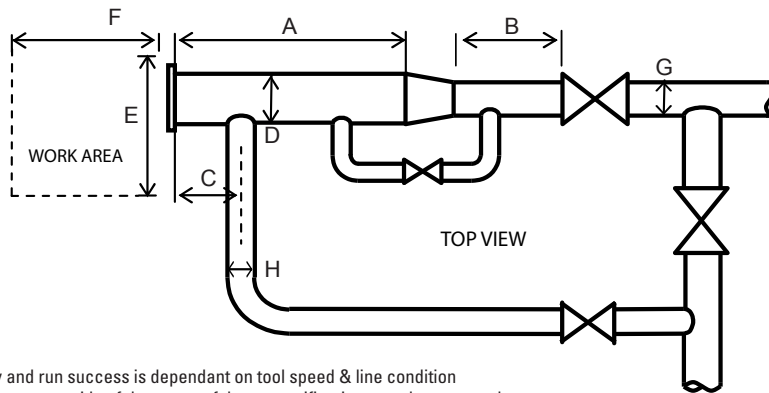
Odometer Channels	2
Odometer Resolution	0.100 in (2.54 mm)
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

DATA SETS (# Sensors)		OPERATIONAL	
Metal Loss	144	Max. Pressure	1650 psi (11376 kPa)
Residual	144	Temp. Range	32 to 140 °F (0 to 60 °C)
IDOD	72	Velocity	≈ 0.1 to 8 mph (0.04 to 3.6 m/s)
Caliper	72	Required Differential Pressure	5 to 25 psi (34 to 172 kPa)

PIPELINE GEOMETRY REQUIREMENTS	in (mm)
Local Min. Cross Sectional Diameter (in straight pipe - Dent, Buckle, etc.)	16.40 (416.56)
Feature Bore Restriction Diameter (Tee, Valve, etc.)	18.00 (457.20)
Min. Bend Radius	1.5D
Min. Bend Separation	10.00 (254.00)
Min. Tee Separation (centerline to centerline)	50.00 (1270.00)
Max. Passable Wall Thickness	1.000 (25.40)
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	765 lb (347 kg)
Longitude ±1 m, 1 σ		TOOL RANGE @ 3 mph (1.3 m/s)	
Elevation ±1 m, 1 σ		* Run Time	46 hours

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	73 (1854)	31 (787)	18 (457)	22 (559)	68 (1727)	133 (3378)	20 (508)	6 (152)
Receiver	73 (1854)	73 (1854)	18 (457)	22 (559)	68 (1727)	133 (3378)	20 (508)	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 | 20" DfL 0700-4B-18418 Rev. 4
11/6/2015 - 0700-19-05607 rev 3

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. (0.10 in)	
Sizing Accuracy - Depth	0.10 in (2.54 mm)	
Location Accuracy	Notes:	
Axial: ± 0.01% within a joint		
Circumferential: ± 10°		
Bend Data		
Angle Accuracy	± 2°	
Direction	± 10°	
Radius	± 0.2D	

20 inch



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PIPELINE SERVICES, INC.