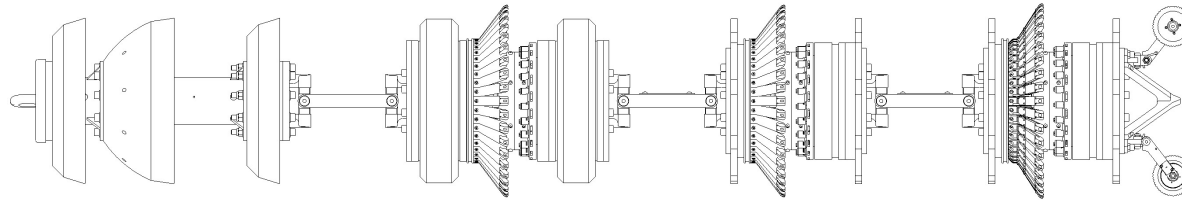




# DfL™ DIGITEL FLUX LOGGER

## 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)

### IMU SPECIFICATIONS @ 3 – 8 mph / (1.3 to 3.6 m/s) DIMENSIONS

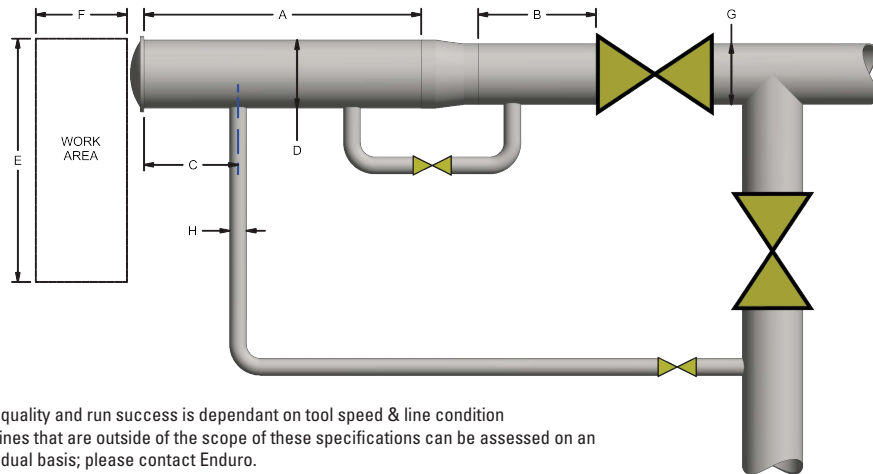
<b>Gyros</b>	<b>Accelerometers</b>	Length	88 in (2235 mm)
Latitude	±1 m, 1 σ	Weight	348 lb (158 kg)
Longitude	±1 m, 1 σ	<b>TOOL RANGE @ 3 mph (1.3 m/s)</b>	
Elevation	±1 m, 1 σ	¹Run Time 64 hours	
	Additional information available upon request		

### 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)

### 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)



#### 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.
- ¹Increased run time available with additional battery packs

Data is subject to change without notice | 12 inch 0700-4B-17012 Rev. 5 - 0700-19-13979 Rev. 5

### 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 (11.9 mm)	
<b>Geometry Data</b>		
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:

**12 inch**



**ENDURO®**  
PIPELINE SERVICES, INC.