



IF YOU MEASURE IT, YOU CAN IMPROVE IT.

Need to better understand what happened downhole during operations? Guidehawk records downhole events to deliver data-rich insights that helps decision making to improve performance. Guidehawk records strain, pressure, temperature, shock and tool orientation delivering actionable insights in a comprehensive post-job report.

This multi-purpose tool can verify the shifting of sleeves, setting plugs and monitor pressure when fracturing. Guidehawk give the operator the ability to identify potential well integrity issues and mitigate risks.

Features

- » Guidehawk's sensors measure:
 - » Pressure
 - » Strain
 - » Shock
 - » Temperature
 - » Tool orientation
- » Available in through tubing and annular flow options
- » Rental options available

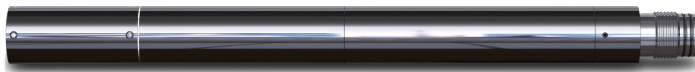
Benefits

- » Reduce uncertainty - verify and analyze downhole events such as shifting sleeves or setting plugs
- » Save time and improve operational performance with actionable insights from downhole data

Applications

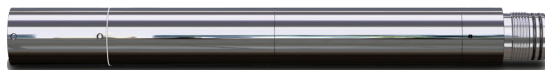
- » Fracturing
- » Setting plugs
- » Shifting sleeves

Parameter	Operating Range	Sample Rate
Pressure-annular/tubing	0-10,000 psi (0-68.9 MPa)	1,000 Hz
Strain-tension/compression	± 100,000 lbs /44,500 daN	1,000 Hz
Torque	1,250 ft-lbs/1,695 Nm	1,000 Hz
Shock	± 200g	1,000 Hz
Tool orientation	0-360°	20 Hz
Operating temperature	-20°C to 90°C	20 Hz
Battery Life (Annular)	4 Days	-
Battery Life (Through Tubing)	6 Days	-



Annular Tool Dimensions

Outside diameter	2.75 in	69.9 mm
Inside diameter	1 in	25.4 mm
Length	32.94 in	83.7 cm



Through-Tubing Tool Dimensions

Outside Diameter	3.38 in	85.9 mm
Inside Diameter	1.7 in	43.2 mm
Length	31.38 in	79.7 cm