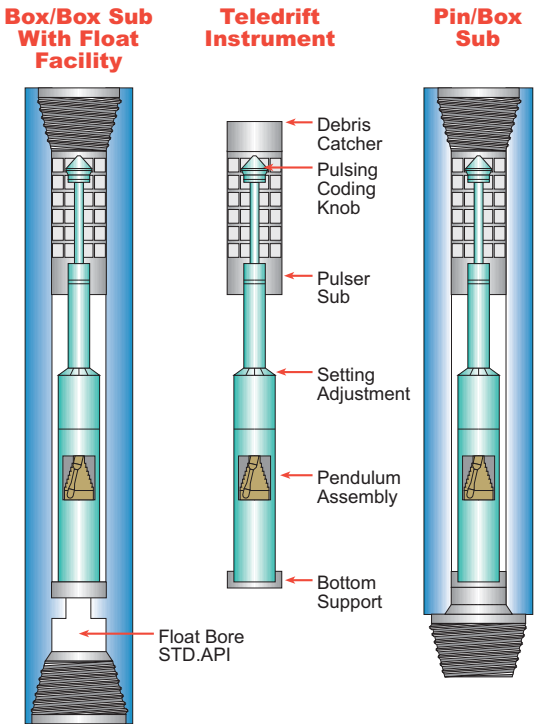


How Teledrift Works

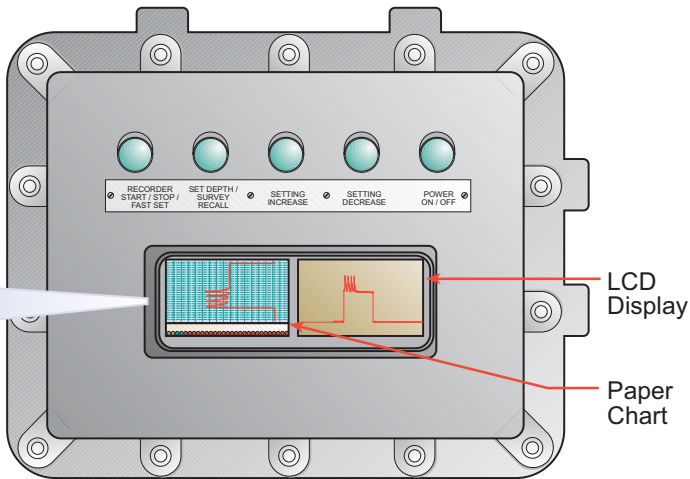
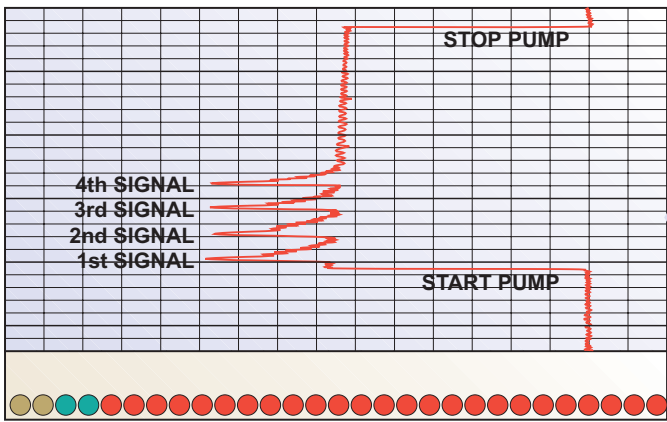
The Teledrift tool consists of a pendulum at the bottom that moves along a series of graduated stop shoulders, and a signal plunger at the top that traverses a series of annular restrictions to produce pressure pulses in the mud stream. Plunger travel is controlled by a patented coding system so that deviation of the hole from the vertical increases the number of pulses generated. A maximum of seven signals can be generated, each representing an increment of hole angle of one-half degree (or this can be set up as one degree increments, if ordered in advance). The tool can be quickly field-adjusted to measure any seven successive inclination range up to 10½°.

Manufacturer	Teledrift Inc., USA	
Instrument Specs	Maximum Flow Rates	
	<2% solid content	2-5% content
4¾" Instrument	2000 gal/min	1000 gal/min
3½" Instrument	700 gal/min	500 gal/min
Temperature Limit	Standard tool	- 240°F (115°C)
	High Temp tool	- >464°F (240°C)
Inclination Range	0-10°	
Instrument Resolution	+/- 0.5°	
Sub Size	11", 9½", 8", 6½", 4¾" O.D.'s	
Remarks	Reliable system, no downhole turbine or batteries required. No upper temperature limit. "Hot well" seals are fitted to all tools that are to be run in temperatures greater than 240°F (115°C). The system has been used in wells with a BHT in excess of 550°F.	



Sub sizes available are: 11", 9½", 8", 6½", 4¾" O.D.

Example Teledrift Chart



Each pulse = 1/2° inclination