



Innovative Services Inc.
Electronic Shut-In Tool

KCP Electronic Shut-In Tool has a proven track record, making it one of the few electronic shut-in tools that will operate reliably on a consistent basis.

This tool can be seated in most completion string landing nipples with standard lock mandrels, which permits downhole shut-in of a well.

Our testing includes operating the tool reliably at the tools extreme specifications; including cycling the tools open and close (20X) at 300°F (150°C), with 10,000 PSI (68,950 Kpa). Its success ratio is over a 93%, with over 100 successful field tests.

Specifications

Pressure Range:	Up to 10,000 PSI (68,950 Kpa)
Differential Pressure:	Up to 10,000 PSI (68,950 Kpa)
Temperature Range:	Up to 300° F (150°C)
Programming Modes:	Open, close or test
Program Cycles:	Up to 20
Time Between Cycles:	5-minute minimum ----240 days
Flow Area:	≥ lock ID
Lock Connectors:	E.S.I.T. tool can be adapted to fit any size of lock
Recorder Connections:	0.75 " – 16 UNF Standard (<i>Other sizes available on request</i>)
Length:	60" in (152.4 cm)
Weight:	20 lbs (8.75 kg)
Outer Diameter:	1.75" (4.45 cm), or 2.5" (5.72 cm)
Flow Area:	1.75" E.S.I.T. - 1.397 in ² (3.55 cm ²) 2.50" E.S.I.T. - 2.390 in ² (6.07 cm ²)*
Communications:	PC RS-232 (standard) USB (optional)
Software:	Windows 98, NT, 2000, XP
Battery Power:	2 DD Lithium Cells

**Our largest flow-sub currently can flow 1.20 m³/min (7.50 bbl/min), under ideal [clean] conditions. Flow is reduced if the fluid contains high sand content. The rate can be reduced to as low as 0.76 m³/min (4.8 bbl/min).*

Applications

- ❑ Reduces well bore storage effects during pressure surveys
- ❑ Eliminates pressure data inaccuracies from gas expansion and phase segregation to improve well test analysis
- ❑ Reduces the loss of production time due to shutting in the well
- ❑ Reduces distortion of data due to hydrostatic pressure column above gauges
- ❑ Eliminates the change of leaky valves at surface
- ❑ Programmable for multiple shut-ins and openings
- ❑ Programmable for equalization of well bore prior to retrieval
- ❑ Can be utilized with KCP's Sampler Tool to gather PVT Samples



1.75" E.S.I.T. Flow Sub



KCP's 600CC Sampler