Shut-In Tool (SIT)

Through Canada Tech's innovation, we have developed the world's smallest Shut-in Tool thus far. Recently a 3 1/2" SIT with a detachable valve was developed and can be interchanged with that of the 2 3/8" SIT drive assembly.
The Canada Tech Shut-In Tool is designed to perform multiple test sequences with minimal restrictions to wellbore material flow through when the tool is opened. This tool requires less than 60 seconds to securely close and uses a specially designed seal to reliably close the tool after repeated use.
The user friendly software for the Shut-In Tool is compatible with Windows and allows for simple or elaborate tests to be performed. The user is able to program the tool to open and close at a specified time and date, which makes the SIT an easy tool to set-up and understand since complex calculations are not required. The operation of the tool can be verified with an event log can be downloaded after testing.
The Canada Tech Shut-In Tool is ideal for production testing in a wide variety of downhole conditions.

Features
Multiple Shut-In Speeds & Sequences
Minimal Flow Through Restriction
Long Battery Life
PC Programmable
Low Maintenance

Applications
Production Testing
Eliminates Wellbore Storage Effect
Simultaneous Multi-Zone Testing
Multi-Rate Test
Isochronal Test
Pulse Testing
Interference Testing

Specifications			
		2 ⅜" SIT	**3 ½" SIT**
General	Length	27.75"	28.5"
	Diameter	1 ½"	2 ½"
	Flow Area	0.785 square inch	2 ⅜ square inch
	Flow Area ID	1.00"	1.74"
	Wrench Flats	1 ¼" or 1 ½"	1 ¼" or 2 ¼"
Threads	Lock Mandrel Threads	1 ⅜" - 14 UNS or 1 ¾" - 12 UN	2 ¼" - 12 SLB
	Equalization Sub	2 ⅜" or 2 ⅜" pin x 2 ⅞" box	3.5"
	Bottom Connection	⅝ Sucker Rod	⅝ Sucker Rod
Pressure & Temperature	Pressure Differential	5,500	5,000
	Maximum Pressure	10,000 psi	
	Standard Temperature Ratings	120°C, 150°C or 177°C	
Power	Source	C Cell Lithium Battery	
	Voltage	7.2 VDC	
	Battery Life	Temperature dependent	
Material	Housing	Stainless Steel 316	
	O-Rings	Viton 90 Durometer or Chemraz 510	
	Backup O-Rings	Teflon	
Operation	Closing Time	60 seconds	
	Record Contents	Time / Action / Current	
	Program Segments	15	
	Communications	Standard PC USB or RS 232 Port	
	Software	Windows compatible	

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