

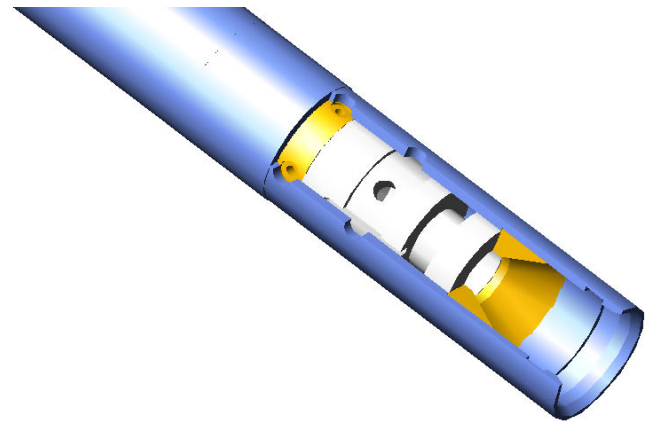
WDLT - Data Latch

Inductive Data Latch

During Open or Cased Hole DST operations many times is mandatory to leave the production tubing free of any obstacle in order to perform other operations, like swabbing, pumping and even closing or opening a downhole valve to perform build-ups. In these situations standard memory gauges are normally used but the data cannot be recovered until the operation is finished and the BHA is brought back to surface.

Some times it is highly desired to acquire data while the operation is ongoing so a SRO system must be implemented. The prior art demands the use of very unreliable “wet connectors”, but even using these systems part of data cannot be recorded while the wireline cable is not latched downhole since the gauges are also powered via this “wet connector”, then some events will be lost (like the swabbing) limiting the post analysis that can be performed with an interpretation software.

Utilizing Altos Technologies WDLT inductive Data Latch allows you to read the data recorded in a memory gauge and to reprogram it if necessary. You can also chose to continue with an online data acquisition or just setting the gauge to record another dataset that can be read some time later as many times as it is required making the operation highly efficient and easier for the personnel since they do not need to keep hooked-up to a computer just to reboot in case of a system crash.



General Technical Specs:

Pressure Sensor type:	Piezo Resistive
Pressure Range:	3000 to 10000 psi
Pressure Accuracy:	better than 0.05% F.S.
Pressure Resolution:	better than 0.0003% F.S.
Temperature Accuracy:	-2 DegC (whole Temp. range)
Temperature Resolution:	0.01 DegC
Operating Temp. Range:	150 C
Tool O.D. and Gauge Length (coil not included)	diam. 43 mm, Len. 500 mm
Standard Coil length:	132 mm
Battery type and size:	1 Lithium Cell 3.9V – “C” size

