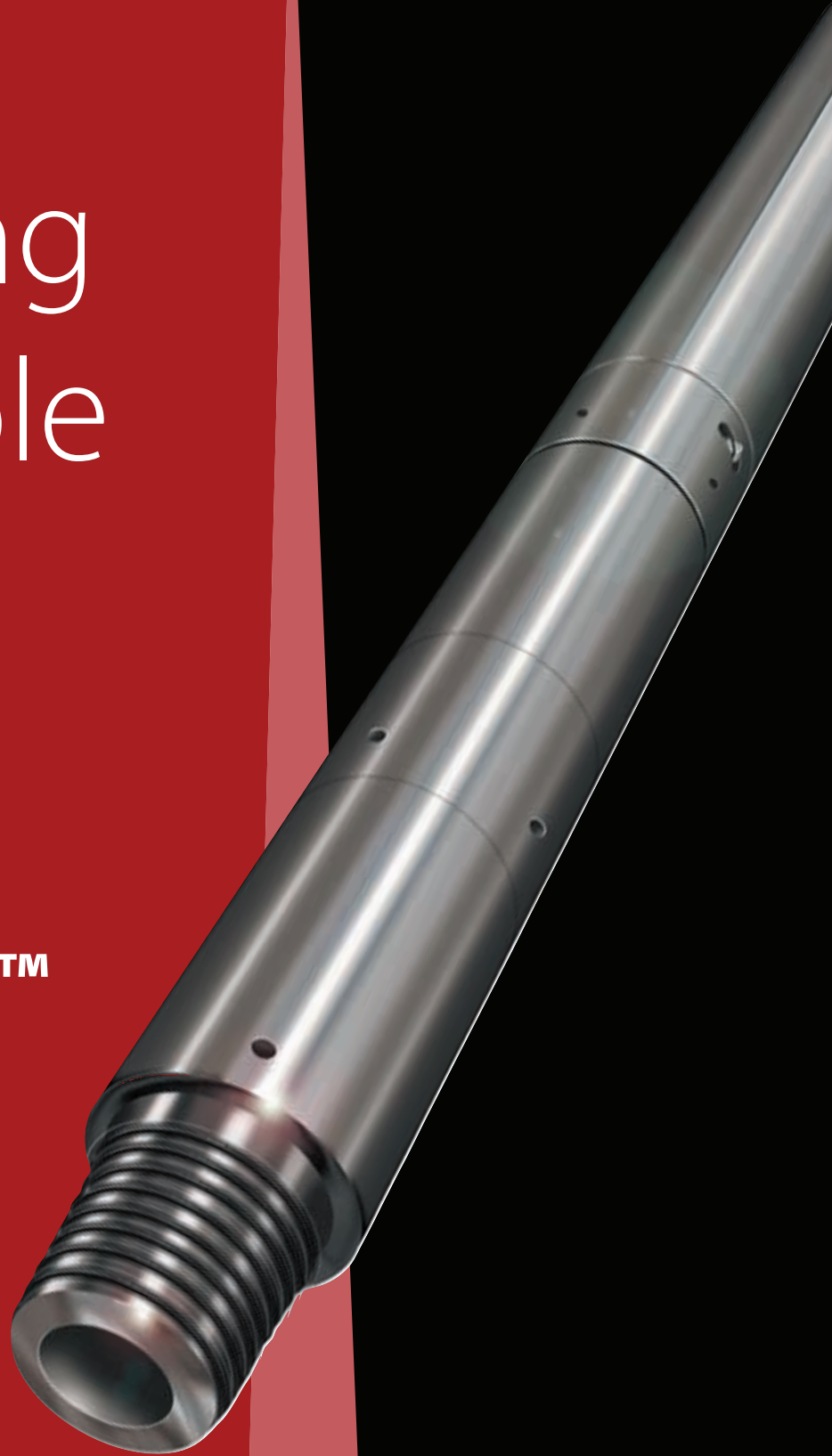


Capturing downhole data

ACQLAIM™
Flow Through
Memory Tool



From

AnTech™

ACQLAIM™

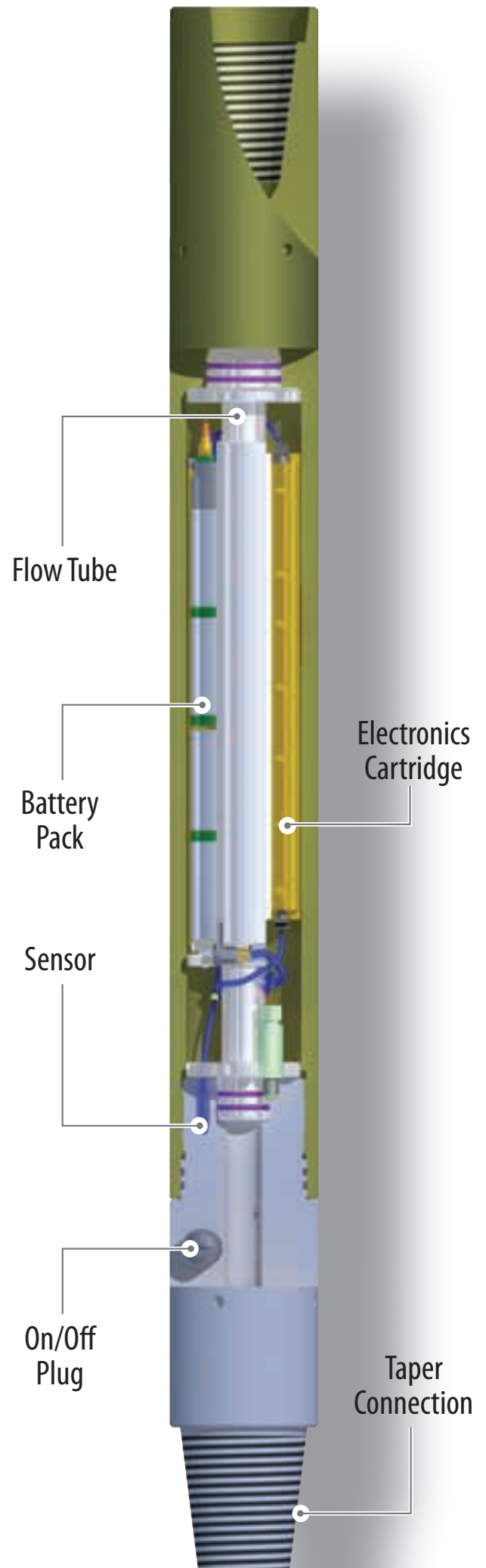
Flow Through Memory Tool

Access to timely downhole information is an essential part of wellsite decision making. It can also be said that what is assumed about the downhole environment is often not what is actually happening.

The **AnTech ACQLAIM™** Memory Logging Tool is a purpose built tool for pumping operations that provides recorded evidence of a downhole operation's performance; it can provide the information needed to modify or improve future operations; it can help eliminate speculation on what is happening downhole; in some cases it can remove the need for further wireline logging runs.

Software to retrieve and display the tool's recorded data is fully integrated. With quick retrieval and display of the data you need, you can make on the spot operational decisions to ensure a job's success. With AnTech's ACQLAIM™ Memory Logging Tools you don't have to run a cable from the surface which is sometimes not even possible. Operating in the world's harshest environments, the tools all have a straight through flow-path for uninterrupted downhole hydraulic operations and ball drops.

AnTech tools have been developed and improved over many years to be robust, safe and reliable. The application of years of field experience, highly qualified and innovative engineers and rigorous testing has produced a suite of tools that will help you do the job properly and on time.



Features

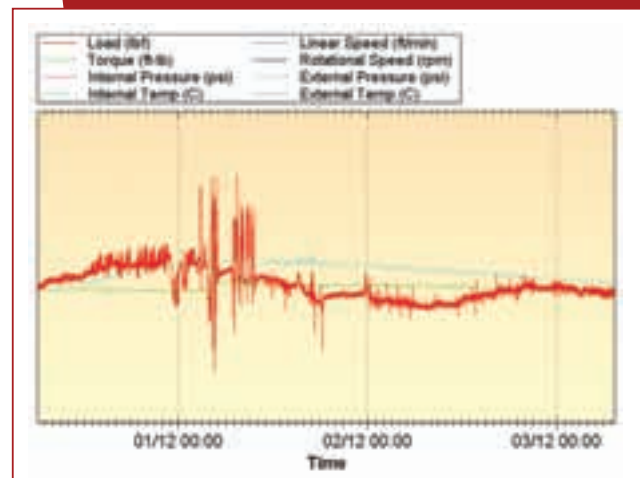
- 1. Everything you need** In addition to the sensor, we provide cables, a PC based user interface in AnTech's ACQLAIM™ Memory Tools software and all the kits you need to be operational. We can also offer connectors and an analysis and report service.
- 2. Selection of Sensors** to suit the application plus the capability for retrofitting additional sensors to measure:
 - Temperature
 - Pressure
 - Torque on Bit
 - Weight on Bit
 - Rotational Speed
 - Vibration
- 3. On site graphical display** reporting for faster results to your client, memory holds over 100 hours of real time logging data, quickly downloaded to spreadsheet if required.
- 4. Flow Through** the tool for continuous hydraulic and ball drop operations.
- 5. Range of sizes** available from 2-7/8" to 5.9"
- 6. Simple to operate** Offsite set up, short length and customer specified connections helps rig up, simple electronics cartridge can be changed with no requirement for electronic expertise,
- 7. Safety** Set up and download can be done away from the rig floor.
- 8. Calibration** services can be provided.
- 9. Offsite/On site support and Training Schools** we appreciate that time is money, so if required we offer help and training schools, when and where you need it to get you operational as fast as possible.



Applications

AnTech's ACQLAIM™ Memory Logging Tools are designed for operations where wireline is not available or possible. They are perfect for monitoring and reporting on the following operations:

- Fracing – pressure monitoring
- Drilling – all sensors applicable
- Setting Plugs - load
- Shifting sleeves - load
- Monitoring/Confirming expansions – all sensors applicable.



Ratings/Specifications of Existing Tools

OD in (mm)	2.875 (73)	4.75 (121)	5.25 (134)	5.9 (150)
ID in (mm)	0.71 (18)	1.3 (33)	1.5 (38)	1.875 (48)
Sensors	Temperature, & Load	Pressure, Temperature, Load & Torque	Pressure, Temperature, Load, Torque, Speed	Pressure, Temperature, Load, Torque, Speed, Vibration
Make up length in (mm)	30.7 (780)	56 (1423)	84 (2134)	77.5 (1969)
Max operating temperature °C (°F)	150 (302)	150 (302)	150 (302)	150 (302)
Min Operating Temperature °C (°F)	-20 - Stored to -40 (-4 - Stored to -40)	-20 - Stored to -40 (-4 - Stored to -40)	0 - Stored to -50 (32 - Stored to -58)	0 - Stored to -50 (32 - Stored to -58)
Max working pressure psi (MPa)	10,000 (69)	15,000 (103.5)	10,000 (69)	10,000 (69)
Max tensile load lbf (N)	50,000 (222411)	300,000 (1.33 MN)	80,000 (355,858)	300,000 (1.33 MN)
Max compression load lbf (N)	50,000 (222411)	300,000 (1.33 MN)	80,000 (355,858)	300,000 (1.33 MN)
Max torque rating ft-lb (Nm)	1,500 (2034)	5,000 (6780)	8,000 (10,847)	30,000 (40,675)
Upper Connection	2-3/8" PAC DSI Box	3-1/2" API IF Box	3-1/2" API IF Pin	Grant Prideco XT38 Box
Lower Connection	2-3/8" PAC DSI Pin	3-1/2" API IF Pin	3-1/2" API IF Box	Grant Prideco XT38 Pin
Data Connection	RS 232	USB 2.0 Port	USB 2.0 Port	USB 2.0 Port

Tools can be adapted to suit different uses and its specifications depend on the number and type of sensors incorporated. Please contact AnTech for further information.

AnTech™

About AnTech Ltd

AnTech specialises in the design and manufacture of innovative products for the international upstream oil and gas industries. The company is known throughout the world of oil and gas exploration for its range of award winning coiled tubing tools and related permanent completion products that also promote safety, efficiency and cost effectiveness.

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