

The Power Processing Unit (PPU) is the heart of the downhole Slick-E-Line® tool string for HT environments. The PPU powers the modules of the production tool string below and the PCH above. The PPU stores the data retrieved from the tool string in the memory section and at the same time data is transmitted real time to the Surface Read Out (SRO) system via the Slick-E-Line® system.

The PPU IIa has been designed to be as rugged as possible, whilst allowing access to a field-replaceable battery Pack.

It delivers a complete solution for both mechanical operations, trigger operations as well as PLT operations.

This provides the possibility to know where the tools are in the Well (P, T and CCL) while setting a plug, doing a tubing punch etc. Real time conformation of the effect of the operations downhole.

The PPU IIa is fitted with the following sensors:

- Well pressure
- Well temperature
- CCL
- Vibrations and inclination

Features

- Field-replaceable Battery pack
- Shock and vibration proof design for DAQ and battery pack for conventional slickline and perforating operations
- Upper head connection to 1.475" ParaComm Communication head
- Lower thread connection to memory PL tools or mechanical tools)



Battery

Memory

Pressure Temp.

CCL

Part Number:	A1211074	
Diameter	43 mm	1 11/16"
Overall length	1168mm	46"
Make up length	1121mm	44.1"
Weight	7.1kg	15.6 lb.

Temperature rating	175°C	347°F
Pressure rating	103.4 MPa	15,000 psi
Battery voltage	18.5 VDC (BAT-09)	
Pressure sensor	0-15,000 PSI Accuracy < +/-14.7psi ** Resolution < 1.47psi (24 bit)	
Temperature sensor	0-250°C Accuracy +/-0.5°C ** Resolution < 0.05°C (24 bit)	
Memory	64 MB	
CCL	1 11/16"	
Upper head connection	1.475" ParaComm Box	
Bottom head connection	1.475" ParaComm Pin	
Materials	Corrosion resistant throughout	

** Higher accuracy on request