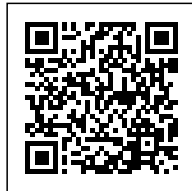


RAS™ SAFETY SUB

The RSS is a mandatory component in a Memory-RAS string. Positioned between the battery and MLT, it is equipped with pressure and temperature sensors to monitor borehole conditions against user programmable thresholds. A power switch is included in the RSS to disable battery power to MLT (and all attached tools) in case of tool failure.



SKU: RSS001

Category: [Production Logging](#)

PRODUCT DESCRIPTION

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In a Memory-RAS operation, the RSS will serve as a watchdog for MLT's health (via handshaking in a designated communication link) and periodically reporting instantaneous pressure and temperature measurements to MLT. In case of communication failure or MLT requesting a reboot, the RSS enters a reset cycle which will cut off power to MLT and RAS, and re-enabling the power downstream after 45 seconds. This operation will automatically put RAS into idle mode and allow MLT to re-initialize and to recover from a failure.

Features

- Pressure and temperature sensors that are used with elapsed time to confirm suitable environment for generator operation
- Watchdog feature to manage anomalies

Specifications

Temperature rating:	160°C	320°F
Pressure rating:	103.4 MPa	15,000 psi
Diameter:	43mm	1 11/16"