



INTEGRATED TECHNOLOGIES MWD/LWD Forum

Keeping Your Finger On The Pulse



www.iadd-intl.org

Welcome

Speaker Information

Lindsey J. Hughey



- Account/Product Manager, Oil & Gas
 - S.M.A.R.T Product Line: accelerometers, magnetometers, MCMs, directional sensors, surface decoders
- B.A.A.S. Texas A&M University-Commerce, M.S. OLT Texas A&M University-Commerce
- 21 years in O&G as LWD, DD, Product Line Director, Operational Consultant, and Executive

SMART DM One

- ❖ 24-bit ADC for precise 6-axis Surveys
- ❖ Shock, Vibe & Temp Sensors
- ❖ Internal Logging Memory: operational time and environment history
- ❖ Enhanced Stationary and Rotation (cINC/cAZM) Survey capability
- ❖ Azimuthal Gamma Controller
- ❖ Control Tool String: Pulser, Gamma, Resistivity
- ❖ Downlink function (Rotation/Flow)
- ❖ Smart power management, Efficient battery switching
- ❖ Inter-tool communication protocols supported: CAN, UART , Q-bus

SMART DM One (S21, S22)

1. Field proven JAE Sensors

- ✓ Accelerometer
 - JA-25H185N Robust :32Grms, 2,000G shock
 - JA-25H200 (Optional)
- ✓ Magnetometer
 - 200C Qualified Fluxgate
 - 200C MCM Magnetometer electronics

2. Overall Feature

- ✓ 55mA at 28V reduced power consumption
- ✓ 200C Calibration available
- ✓ “Drop in” compatible with S21- SMART DM One
 - Mechanical Interface, standard lap-joint, MDM-15/21
- ✓ Proven SDM Functionality / Performance
- ✓ Custom end connections available



Conclusion

- 2nd Generation of High Temp SMART DM S22
- Approximately 50% less power^{*1} : longer life for batteries
- 185C standard upgradeable to 200C Calibration
- Maintained here in Texas... Backed by a team of ~10,000 globally (Dedicated members: 500+ for aerospace division)
- 72 years of being at the forefront of innovation
- **Scalable Modular Advanced Reliable Technology**

*1: compared with another JAE product



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Thank You