

# DataSphere® Data Acquisition System (DAS)

## MONITOR AND CONTROL DOWNHOLE GAUGES AND TOPSIDE INSTRUMENTATION

### OVERVIEW

Halliburton's DataSphere® Data Acquisition System (DAS) allows operators to monitor and control downhole sensors. The DAS is available as a one-well system that can accommodate up to 25 sensors for a single unit. Downhole cable inputs are independent and fully isolated.

### FEATURES

- » One permanent downhole gauge communication channel
- » 600 MB of onboard data storage
- » MODBUS RTU protocol support using RS485 or a TCP/IP port
- » Communication programs allow a full configuration of the unit
- » Current limit tripped
- » Time synchronization

### LOGGING

- » One GB of onboard memory—400 MB for the application and 600 MB for data
- » Data retrieved using an RS485 port or by FTP over the TCP/IP link and can be imported to other applications, including spreadsheets
- » Data logged to the memory at a maximum rate of once per second

### BENEFITS

- » Control intelligent completion's permanent downhole gauges and sensors, including Opsis®, Array system, and ROC™-X
- » Store and display data from Halliburton's permanent downhole sensors



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### OPERATING INFORMATION

- » 10/220VAC or 10-35.5 VDC power input
- » 24W power consumption plus 0.5W per gauge
- » 0°C to 70°C operation
- » -20°C to 85°C storage

### TECHNICAL FEATURES

- » Supports the DataSphere family of permanent downhole gauges and sensors including Opsis, Array system, and ROC-X
- » Communication ports include 1 × RS485 and the Ethernet
- » Port usage options include MODBUS RTU and TCP/IP using the Ethernet
- » 1 GB of onboard memory
- » NEMA-4X/IP66 enclosure
- » One well with 25 sensors

For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

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