



TECHNICAL DATA SHEET

No. SPECS-DRL-051

TORQUE SENSOR

Rev. 0

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TITLE: ROTARY TORQUE SENSOR

DEPARTMENT: TECHNICAL SUPPORT

DESCRIPTION:

Rotary torque sensor. Installed within the Top drive control panel area. Measures "Hall Effect".



A. Specifications.

BRAND (Sensor): Ohio Semitronics
MODEL: CT-3477SA
BRAND (Barrier): Pepperl + Fuchs
KFD2-STC4-Ex1
SENSOR TYPE: Split Core Current Transducer
INSTALLATION LOCATION: Top Drive System Control Panel Area
MEASURING RANGE: 0-1000 amps DC
OVER RANGE: 10,000 amps (without damage)
ACCURACY & LINEARITY: ± 20 amps DC
RESPONSE TIME: ± 1 msec
REPEATABILITY: ± 10 amps DC (at 25°C)
OPERATING TEMPERATURE: -10°C to +60°C (14°F to 140°F)
DC INSERTION LOSS: None
CORE INDUCTANCE: Negligible
FREQUENCY RESPONSE: dc to 1KHz
ISOLATION: 5 KVdc
APPROVALS/CERTIFICATION: BAS: Intrinsically Safe EEx ia IIA T4
OUTPUT: Chart Recorder, DLS System.

APPROVAL:

Dept. Supervisor : VICTOR SAET

Date: 22nd July 2002

Technical Committee : ALAN MORRISON

Date: 22nd July 2002