



TECHNICAL DATA SHEET

No. SPECS-DRL-049

HOOKLOAD / WOB SYSTEM (PRESSURE TRANSDUCER)

Rev. 0

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TITLE: HOOKLOAD / WOB SENSOR SYSTEM

DEPARTMENT: TECHNICAL SUPPORT

DESCRIPTION:

A pressure transducer is mounted into the Drilling Rig hydraulic system to measure Pressure at the Deadline Anchor. From calculations within the DLS software; Hook-load, Weight on Bit, Drill-string Weight etc, may be calculated.



A. Standard Unit Specifications.

BRAND:	Rosemount
MODEL:	Model 2088 Smart Pressure Transmitter
SENSOR TYPE:	Isolating Diaphragm - Polysilicon Sensor
INSTALLATION LOCATION:	Deadline Anchor (Hookload), Torque Manifold
MEASURING RANGE:	0-800 psi (Re-rangeable SPAN from 40 psi to 800 psi)
OVERPRESSURE LIMIT:	1,600 psi
SENSITIVITY:	0.16 psi
ACCURACY:	±0.2% of SPAN
RESPONSE TIME:	200 ms (Time Constant) 20 times/second (Update Rate)
STABILITY:	±0.8 psi for 12 months
APPROVALS/CERTIFICATION:	Explosion proof for Class I, Division I, Groups B, C, and D. Dust-Ignition Proof for Class II and Class III, Division 1, Groups E, F, and G. Suitable for indoor and outdoor (NEMA 4X) hazardous locations. Factory Sealed.
OUTPUT:	Chart Recorder, DLS System, Digital Monitors



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IL STANDARD MODEL CONFIGURATION:

800 psi Pressure Transducers: **2088G3S22A1E5Q4**

2088G: Product Description ("Gage Pressure Transmitter")

3: Range ("0-800 psi -- 0 to 55.15 bar")

S: Output ("4-20 mA dc/Digital HART Protocol")

22: Isolating Diaphragm ("316 SST")

A: Process Connection ("1/2-14 NPT Female")

1: Conduit Thread ("1/2-14 NPT")

E5: Options ("FM Explosionproof Approval")

APPROVAL:

Dept. Supervisor : VICTOR SAET

Date: 22nd July 2002

Technical Committee : ALAN MORRISON

Date: 22nd July 2002