



## TECHNICAL DATA SHEET

### PUMP STROKE COUNTING SYSTEM

No. SPECS-DRL-052

Rev. 0

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**TITLE:** PUMP STROKE COUNTING SYSTEM

**DEPARTMENT:** TECHNICAL SUPPORT

**DESCRIPTION:**

A Proximity Switch used in conjunction with magnets placed on the Pump or by monitoring Pump piston movement. From calculations within the DLS software; Pump strokes, Total Strokes, Circulation Times, Lag Time etc may be calculated.



**A. Standard Unit Specifications.**

**BRAND:** Pepperl + Fuchs  
**MODEL:** NCN30+U1+NO  
**SENSOR TYPE:** Discrete Inductive NAMUR-type Proximity Sensor  
**INSTALLATION LOCATION:** Pump  
**OPERATING DISTANCE:** 30 mm (24.3 mm Assured)  
**SWITCHING FREQUENCY:** 150 Hz (Max)  
**OPERATING TEMPERATURE:** -25°C to +100°C (-13°F to 212°F)  
**APPROVALS/CERTIFICATION:** Factory Mutual (FM):

Class I, Division 1, Groups A, B, C, D

Class II, Division 1, Groups E, F, G

Class III, Division 1 or

Class I, Zone 0, Groups IIC T6 (Ta = 60°C)

EEx ia IIC, EEx ib, IIC

**OUTPUT:** Chart Recorder, DLS System, Digital Monitors

“DLS Pumps” is capable of monitoring 8 pumps. For use with Booster pumps, Riser Pumps etc.

**APPROVAL:**

Dept. Supervisor : VICTOR SAET

Date: 22<sup>nd</sup> July 2002

Technical Committee : ALAN MORRISON

Date: 22<sup>nd</sup> July 2002