

SIL Declaration of Conformity

Functional Safety according to IEC 61508

Endress+Hauser Yamanashi Co., Ltd.

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Declares as manufacturer, that the Oil leak detector system

NAR300 with Transmitter NRR261 or NRR262

is suitable for the use in safety-instrumented system according to IEC 61508, if the functional safety manual SD01357G/08 and following characteristics are observed:

Characteristic	Alarm relay contact output
Safety functions	Oil leak detect
SIL ³⁾	2
HFT	0
Device type	Type B
Mode of operation	Low demand mode
λ_s ¹⁾	1179.4 FIT
λ_D ¹⁾	1431.9 FIT
λ_{DU} ¹⁾	126.7 FIT
SFF	95.1%
PFD _{avg} (T _i = 1 year)	6.3 x 10 ⁻³
Recommended proof test interval	6 months
MTBF	43 years
¹⁾ according to Siemens SN29500	
²⁾ according to Siemens SN29500, including faults outside the safety function	

The device including software and the modification process.

Yamanashi, 25 March 2015

Endress+Hauser Yamanashi Co.,Ltd.



(General Manager)