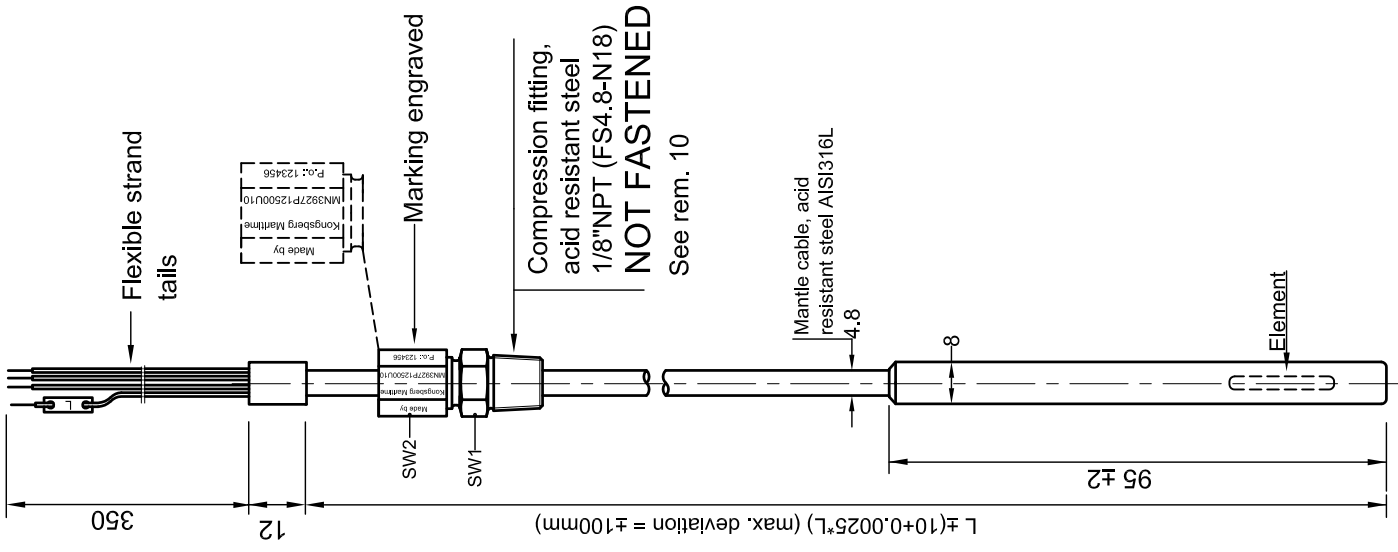


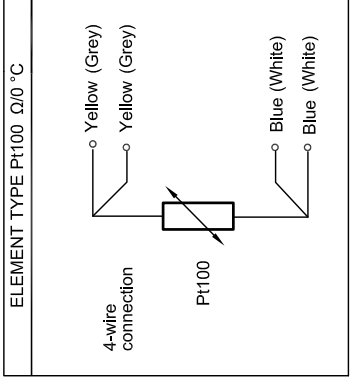
**ORDERING EXAMPLE:** MN3927 P 12500 U

Mechanical design \_\_\_\_\_  
 4-wire connection 1/10 DIN \_\_\_\_\_  
 Length in mm \_\_\_\_\_  
 Element type Pt100  $\Omega/0\text{ }^{\circ}\text{C}^{\circ}$  \_\_\_\_\_



LETTER NO.1	EXPLANATION
P	Temp. element, 4-wire, 1/10 DIN LNG
W	Temp. element, 4-wire, 1/10 DIN LPG

LETTER NO.2	ELEMENT TYPE	RANGE
U	Pt100 $\Omega/0^{\circ}\text{C}$	-196 to 400 $^{\circ}\text{C}$



**TECHNICAL DATA**

- Element: PT100 Class B 1/10 DIN According to IEC 60751 / (ITS90)
- Total temperature range: -196 $^{\circ}\text{C}$  to 400 $^{\circ}\text{C}$
- Each sensor will be delivered with calibration certificate according to ISO/DIS 10976 with nominal values for each 5th  $^{\circ}\text{C}$  Calibration uncertainty/accuracy:  
 LNG:  $\pm 0.1^{\circ}\text{C}$  (-165 $^{\circ}\text{C}$  -> -145 $^{\circ}\text{C}$ )  
 LNG:  $\pm 0.15^{\circ}\text{C}$  (-145 $^{\circ}\text{C}$  -> -80 $^{\circ}\text{C}$ )  
 LNG:  $\pm 0.75^{\circ}\text{C}$  (-80 $^{\circ}\text{C}$  -> +50 $^{\circ}\text{C}$ )  
 LPG:  $\pm 0.15^{\circ}\text{C}$  (-100 $^{\circ}\text{C}$  -> +50 $^{\circ}\text{C}$ )
- Insulation resistance: > 1000 Mohm at 500V DC.
- Temperature range, flexible cable: -40 to 80 $^{\circ}\text{C}$ .
- Material outer casing, flexible cable: Polyolefin
- Material, sensor: AISI 316L.
- Protection grade, wetted parts: IP68.
- Calibration certificate:  
 LNG: AU-1314.  
 LPG: AU-1332.
- Tighten SW1 with 30Nm. (SW=11mm)  
 Tighten SW2 with 25Nm. (SW=11mm)



**Kongsberg Maritime AS**  
 Merchant Marine Division  
 Trondheim

Title: Temperature sensor with flexible strand tails for LNG / LPG tanks  
 Drawing type: DIMENSIONAL SKETCH  
 Sheet: 1 of 1  
 Size: A3  
 Scale: -

REV.	DATE	DESCRIPTION	Designed by	Checked by	Approved by
P	2011-09-21	Changed technical data, added Pt100 Class B 1/10 DIN	AJS	MaV	KSI
N	2011-01-10	Added colour 'Grey & White'	STS	-	AJS
M	2009-03-26	Removed type plate, updated titlefield	GAB	-	MaV
L	2006-03-03	AU-1282>AU-1314, each>each 5th	AJK	-	AJA
-	1986-09-03	First issue	AJK	JSK	OLY

Project / Product name	Item number	Part no.	Document ID	Revision
			<b>MN3927----</b>	<b>P</b>
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