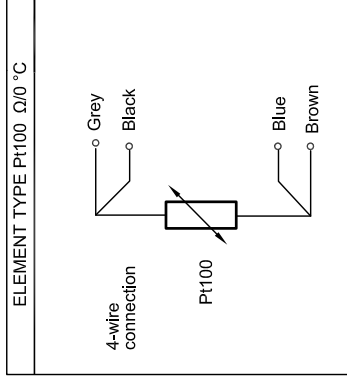


**TECHNICAL DATA**

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



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 Ω/0°C	-196 to 400°C

ORDERING EXAMPLE: MN4213P12500U10

Mechanical design  
4-wire connection 1/10 DIN  
Length in mm  
Element type Pt100 Ω/0 °C  
CL= 10 decimeter

REV.	DATE	DESCRIPTION	Designed by	Checked by	Approved by	KSJ
J	2011-09-13	Changed technical data, added Pt100 Class B 1/10 DIN	AJS	MaV		KSJ
H	2009-03-30	Removed type plate, updated titlefield	GAB	-		MaV
G	2006-03-03	Each °C->each 5th °C	AJK	-		AJA
A	2001-06-05	First issue	AJK	SJU		MaV

		<b>Kongsberg Maritime AS</b> Merchant Marine Division Trondheim		Title Temperature sensor with flexible upper part of cable for LNG / LPG tanks	Sheet 1 of 1 Size A3 Scale -
Project / Product name	Item number	Drawing type	Document ID	Revision	
		DIMENSIONAL SKETCH	MN4213----	MN-4213	J

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