



# Documentation

**Conversation Viscosity System**

Pos.	Article	Description	qty	manufacturer	total weight	HS-Code	CoO
1	25855041	Umrüstungs Set Viscotherm V92 / V12 to Viscomaster Dynamic	1		5		
1,1	25863824	Viskositäts- Sensor Viscomaster Dynamischer, HFVM11L729JMC3FJREZZZ	1	Emerson		90278080	MX
1,2	25862087	Visco Adapter DN 65, nach Zeichnung: P-3-102	1	GenSys		73072910	DE
1,3	20040012	Temperatursensor PT 100 MBT 5250 l= 100mm	1	Danfoss		90251900	CN
1,4	25851508	Dichtungen aus FP2000 116x92x2,0 mm	1	Pitzner		40169300	n/a



## Conversion V92 to Viscomaster

# Micro Motion® Heavy Fuel Viscosity Meter (HFVM) Viscomaster™

High-performance multi-variable viscosity meter



## World-wide marine-approved design for aggressive environments

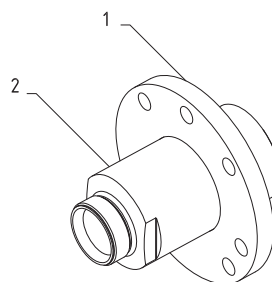
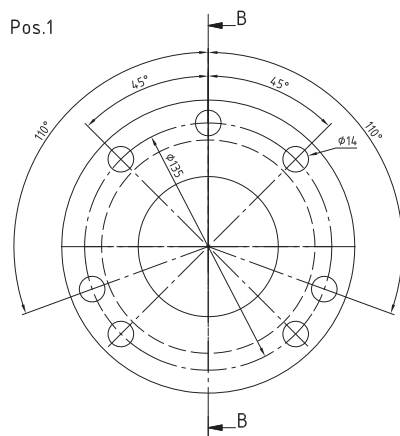
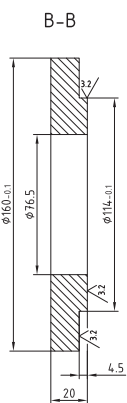
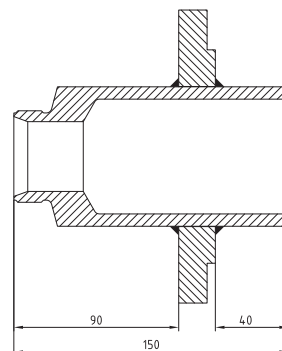
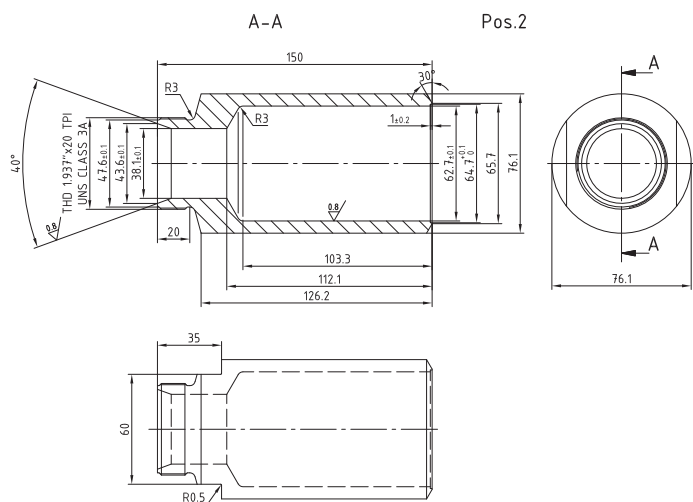
- Continuous, multi-variable measurement of viscosity, density, and temperature
- Accurate measurement of viscosity ( $\pm 1\%$  of full scale) and density ( $\pm 1 \text{ kg/m}^3$ )
- Optimized design that is insensitive to vibration, temperature, and pressure variations
- Durable Diamond-Like Carbon (DLC) coating that is resistant to friction, chemicals, impact, and mechanical damage

## Superior multi-variable I/O and meter health

- Hazardous-area approved, head-mounted transmitter that supports local configuration and display
- Internal diagnostics for fast verification of meter health and installation

## Installation flexibility and compatibility

- Direct-insertion design for inline measurement
- 4-20 mA, HART, and Modbus protocol connection to control systems and external devices
- Retrofit kits for replacing capillary and torsional meters
- Upgrades for 7829 Viscomaster systems



2	1	ROUND BAR 77	S235JRG2
1	1	FLANGE	S235JRG2
POS.	QUAN	DESCRIPTION	MATERIAL

<b>GenSys</b> GenSys GmbH Zum Dick 3 23066 Wismar Germany www.gensysgroup.com		THE INFORMATION HERE ON IS THE PROPERTY OF GenSys GmbH AND/OR ITS SUBSIDIARIES. WITHOUT WRITTEN PERMISSION, ANY COPYING, TRANSMITTAL TO OTHERS, AND ANY USE EXCEPT THAT FOR WHICH IT IS LOANED IS PROHIBITED.		Scale	1:10	Format	A3
h		2012	Date	Name	Part Name Visco Adapter DN65		
g		Drawn	22.02	F2			
f		Approx.	22.01	SW			
e		Norm					
d		Project	No.:		Drawing No.	P-3-1029	Sheet
c							1
b							of 1
a							
Index	Revision	Date	Name		Tolerance	+/- 0.1mm	

## Data sheet

# Temperature Sensors

## Types MBT 5250, MBT 5260 and MBT 5252



Heavy-duty temperature sensors for controlling cooling water, lubrication oil, hydraulic oil and refrigeration plants within general industry and marine applications. These temperature sensors are based on a standardized Pt 100 or Pt 1000 element, which gives a reliable and accurate measurement. All three sensor types can be delivered with NTC / PTC elements on request.

In the low temperature version (-50 – 200 °C) the measuring insert is based on a silicone cable, which makes the sensor very resistant towards vibrations. The MBT 5250 with changeable measuring insert and MBT 5260 with fixed measuring insert are equipped with EN 175301-803-A, Pg 9 as standard. The MBT 5252 is equipped with a B-head as standard, but can also be delivered with B-mini Head on request. If needed, a transmitter (MBT 9110) can be ordered as an integrated part of the MBT 5252 sensor.

### Features

- Gaseous or liquid media, e.g. air, gas, vapour, water or oil.
- Up to 200 °C media temperature (MBT 5250 and MBT 5260)
- Up to 200 °C or 400 °C media temperature (MBT 5252)
- Pt 100 or Pt 1000 sensing element
- Can be used with 2- or 3-wire connections
- Gold plated male and female connector (MBT 5250 and MBT 5260)
- MBT 5250 and MBT 5252 with interchangeable measuring insert
- MBT 5260 with fixed measuring insert
- Available with built-in transmitter (MBT 5252)

### Approvals

Lloyds Register of Shipping, LR  
Germanischer Lloyd, GL  
Det Norske Veritas, DNV  
Registro Italiano Navale, RINA

Nippon Kaiji Kyokai, NKK  
American Bureau of Shipping, ABS  
Korean Register of Shipping, KR  
Bureau Veritas, BV  
China Classification Society, CCS