Flow meter for liquid media

flow-captor 4115 S103 + 4015.3x S103

The flow-captor 4115 S103 + 4015.3x S103; ideal for all measurement and control tasks within automation processes in the food industry in order to control liquid media. The sensor has been specially designed for Tri-Clamp connection systems. It works according to the calorimetric measuring principle, which allows the adjustment of the measuring range to a large quantity spectrum.The flow-captor works fully electronically and without mechanically moved parts.

- precise flow measurement
- adjustable measuring range
- analog current or voltage output
- for medium temperature up to max. 275 °F (135 °C)
- robust stainless steel construction (special encapsulation)
- **ISO 9001 : 2015**

Technical data		
Type	**4115 S103 + 4015.3x S103**	**4115 S103 + 4015.3x S103 S115/x**
Medium	water-based	oil-based
Sensor data		
Measuring range	cont. adjustable from 0 - 20 cm/s to 0 - 200 cm/s[1)]	cont. adjustable from 0 to 200 cm/s[2)]
	other range on request	
Set-point range	zero point and range adjustment by potentiometer	
Medium temperature	max. 275 °F (135 °C)	
Pressure	max. 30 bar	
Response time	2 -10 sec. depends on measuring conditions	
Linearity deviation	< 5 % best fitting slope	
Repeatability	< 2 %	
Temperature drift	< 0.3 % K	
Mechanical data		
Protection class	IP65	
Material housing elektronics	Makrolon®	
Material housing / sensor	stainless steel AISI 316 Ti (electro-polished)	
Material of sensor head	stainless steel AISI 316 Ti (electro-polished)	
TC closure size	Ø50.5 (other standard closure sizes on request)	
Sensor cable	2 m encapsulated, shielded silicone cable 3 x 0,5 mm²	
Electrical connection	terminal block	
Housing dimensions	see drawings	
Electrical data		
Operating voltage	24 VDC ±10 %	
Power consumption	approx. 100 - 200 mA (at max. flow)	
Ready for operation	approx. 10 sec. after power connection	
Output 4015.30	4 - 20 mA	
Output 4015.31	0.1 - 10 V	
Protection circuit	reverse polarity & short circuit / overload protected up to max. 30 VDC only	
Output display	green LED	
Load	max. 600 Ω	

* [1)] data relate to water [2)] calibrated with insulation oil type "Shell Diala"

weber

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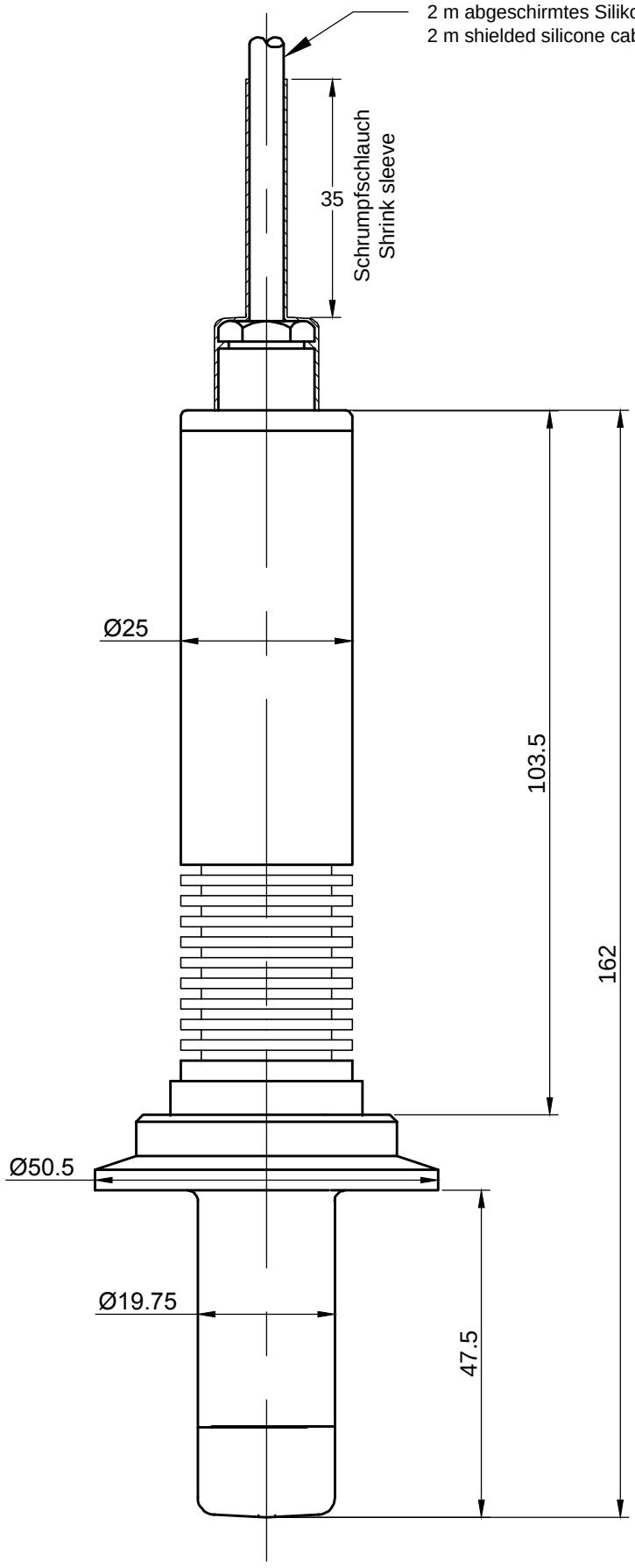
K704307

REV: AE



Mediumtemperatur bei betriebslosen Zustand Medium temp. power supply disconnected	max. 135 °C
Mediumtemperatur im Betriebszustand Medium temp., flow captor operational	max. 135 °C

Material Sensorkopf Edelstahl WN 1.4571
Material Gehäuse Edelstahl WN 1.4305

Material of sensorhead stainless steel 316 Ti
Material of housing stainless steel 303

Ø50.5; Silikonkabel	07.03.18	Rei	AE	flow - captor 4115 S103 Getrennter Sensor in Kühlausführung "Tri - Clamp" System Remote sensor / cooling version "Tri - Clamp" system		Maßstab M 1 : 1 Ursprung: E72xx File - Nr.: K704307	weber Sensors GmbH 25377 Kollmar, Strohdeich 32 Tel.: +49 4128 591 - Fax: - 593 www.captor.de info@captor.de
Neu in ACad	18.07.17	Vog	AD				
Sensors Ltd.	04.02.09	Chr	AC				
Text	02.07.98	Wip	AB				
Aend.	Datum	Name	Rev	entw. Wippich 25.02.98	gez. Hüttmann 18.06.98	gepr.	Blatt 1 - 1

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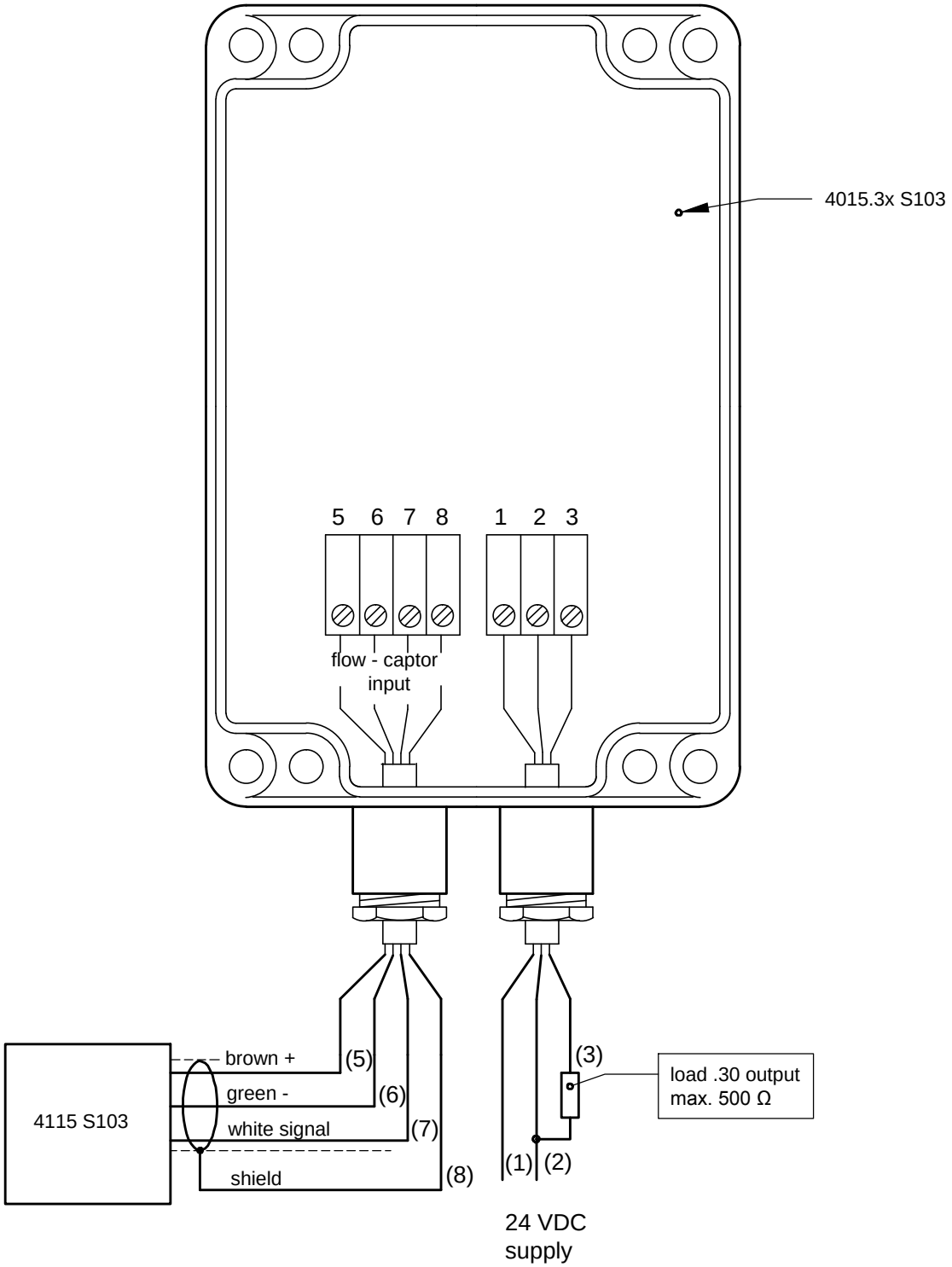

				flow - captor Remote - System - Elektronik Remote - system - electronic 4115 S103 + 4015.3x S103	Maßstab M 1 : 1	**weber** Sensors GmbH 25377 Kollmar, Strohdeich 32 Tel.: +49 4128 591 - Fax: - 593 www.captor.de info@captor.de	
4115.3x	07.03.18	Rei	AD		Gerät 4015.3x S103		
Neu in ACad	18.07.17	Vog	AC		File - Nr.: K704307B		
Ltd.	12.08.06	Wip	AB				
Aend.	Datum	Name	Rev	entw. Wippich 01.11.99	gez. Hüttmann 04.11.99	gepr.	Blatt 1 - 1