

Application	Sensor/Input	Conditions	Options	VVO 2.81	VEGALOG-DTM
Connection of a 0/4...20mA device	0/4...20mA device	Standard	0...20mA device	+	+
			4...20mA device	+	+
Switching contact	Switching input	Standard	no options	+	
Arithmetic	Configured measurement loop	Difference	no options	+	+
			with correction factors	+	
		Division	Density	+	
			Ratio	+	
		Average	no options	+	+
			with correction factors	+	
		Sum	no options	+	
			with correction factors	+	
Density measurement	Hydrostatic	Standard density measurement	no options	+	
			with additional sensor for offset correction	+	
Distance measurement	Radar	Standard distance measurement	no options	+	
	Ultrasonic	Standard distance measurement	no options	+	
Flow measurement	Hydrostatic	Standard flow measurement	no options	+	
			with offset correction via external signal	+	
	Radar	Standard flow measurement	no options	+	
	Ultrasonic	Standard flow measurement	no options	+	

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Level measurement	Differential pressure	Pressurized vessel	no options	+	+
		Standard level measurement	no options	+	+
	Hydrostatic	Pressurized vessel	no options	+	+
			with offset correction via external signal	+	
			with additional sensor for density correction	+	
			with additional sensor for real value correction	+	
		Level measurement with variable density	no options	+	
			with additional sensor for offset correction	+	
		level difference	no options	+	
			with real value correction via external signal	+	
		Standard level measurement	no options	+	+
			with additional sensor for density correction	+	
			with additional sensor for real value correction	+	
			with additional sensor for offset correction	+	
	Capacitive	Standard level measurement	no options	+	+
			with additional sensor for DK-correction	+	
	Radar	level difference	no options	+	
		Standard level measurement	no options	+	+
	Ultrasonic	level difference	no options	+	
		Standard level measurement	no options	+	+
Guided microwave	Standard Füllstandmessung	keine Optionen	+	+	
Level switching	Capacitive	Standard level switching	vertical installation	+	
			horizontal installation	+	
	Vibration	Standard level switching	no options	+	

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Height measurement	Hydrostatic	Level difference (open channel)	no options	+	
			with real value correction via external signal	+	
		Standard level (open channel)	no options	+	
	Radar	Level difference (open channel)	no options	+	
			Standard level (open channel)	no options	+
	Ultrasonic	Level difference (open channel)	no options	+	
Standard level (open channel)			no options	+	
Process pressure measurement	Differential pressure	Differential pressure measurement	no options	+	+
		Standard pressure measurement	no options	+	+
	Pressure	Differential pressure measurement	no options	+	
			with real value correction via external signal	+	
		Standard pressure measurement	no options	+	+
			with offset correction via external signal	+	
Temperature measurement	Temperature from Profibus sensors	Standard temperature measurement	no options	+	+
	Temperature from VBUS sensors	Standard temperature measurement	no options	+	+
Universal	Profibus PA (Profile3-Device)	Standard	no options		+

Function	Option / Mode	VVO 2.81	VEGALOG DTM
Measurement loop	Tare	✓	
	WHG	✓	✓
	Suppress negative measured values	✓	
	Fault signal, if the measured value decreases - 10% or exceeds 110%	✓	
	Real value correction	✓	
	Offset correction	✓	
Switching output Relay/Transistor	Overfill protection	✓	✓
	Dry running protection	✓	✓
	Switching window	✓	✓
	Tendency	✓	
	Monitoring	✓	
	WHG	✓	✓
	Fail safe relay	✓	✓
	System failure	✓	✓
Current output	0...20 mA	✓	✓
	Limit current to min. 4 mA	✓	
	WHG	✓	✓
Display	VEGADIS 173	✓	
	VEGADIS 174	✓	✓
PC/DCS	Transfer failure messages to PC / DCS	✓	✓