

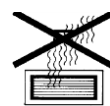
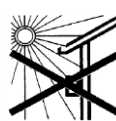
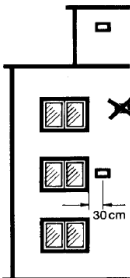
Sensor Specification	Sensor Specification	Measured Sensor Characteristics Sensor Output (s) Output Load 0...10V Output 4...20mA Output Accuracy Temperature OFF-set Potentiometer Measuring Range (s) Optional Measuring Range (s)	Temperature Active 0...10V / 4...20mA Min. load 5kΩ @ AC/DC 24V Max. load 700Ω @ DC 24V ± 0.5K over full measuring range ± 3k -50°C...50°C 0°C...+100°C ; -20°C...+80°C ; 0...50°C
	Electrical Information	Power Supply Frequency Terminal Clan Power Consumption 0...10V output 4...20mA output	AC/DC 24V (±10%) 50 / 60 Hz at AC 24V Screw terminal, max. 1.5mm² ≤ 0.4W / AC 24V; ≤ 0.85VA / DC 24V ≤ 20mA / DC 24V
Technical Information	Mechanical Information	Sensor Pocket Diameter Sensor Pocket Length Cable Entry Sensing Element Pos	6mm 35mm M16, Ø6...Ø8mm cables external, top of the immersion rod
	Color and Materials	Housing Cover Housing Bottom Lock Screws Lock Nuts Cable Gland Gland Rubber Seal Protection Caps Immersion Rod	White ABS, RAL9001 (Cream White) White ABS, RAL9001 (Cream White) US:AISI 304; EU: EN X 6 CrNi 18 10; GER: W.N. 1.301 Brass White ABS, RAL2002 (Vermilion) White TBS, RAL9010 (Pure White) White ABS, RAL2002 (Vermilion) US:AISI 304; EU: EN X 6 CrNi 18 10; GER: W.N. 1.301
	Environmental Conditions	Operation Temperature Operation Humidity Transport Temperature Transport Humidity Storage Temperature Storage Humidity	-25°C...+70°C 100% r.h., with condensation -35°C...+70°C < 90% r.h. -10°C...+70°C < 85% r.h., no condensation
	Norms and Directives	IP- Rating Safety Class Product Standard 1 Product Standard 2 CE Conformities to CE Electromagnetic Compatibility Emitted Interference CE Electromagnetic Compatibility Interference resistance RoHS Compatibility Operation Climatic Condition Operation Mechanical Condition Transport to Climatic Condition Transport Mechanical Condition Storage Climatic Condition Storage Mechanical Condition	IP65 to IEC60529 III to EN 60 730 Automatic Electric. Controls for household and similar use 2009/EN 60 730-1 2004/108/EG Electromagnetic Compatibility EMV 2000/EN60730-1 Emitted Interference 2000/EN60730-1 Interference Resistance RoHS 3, Directive 2015/863 IEC 60 721-3-3 IEC 60 721-3-2 to class2M2 IEC 60 721-3-2 IEC 60 721-3-2 to class2M2 IEC 60 721-3-1 IEC 60 721-3-1 to class2M2
Miscellaneous	Accessories		n.a.
	Shipping & Handling	Minimum Order Package Material Order Code	1 box with 2 pieces, multiple of 2 pieces Rigid Cardboards Packaging TOW1.AE

All Information and technical data are subject to alteration

Caution

Third party specifications, e.g. general contractors or constructors

 Caution



It is mandatory to comply with local currently applying laws and regulations.

Connections & Settings

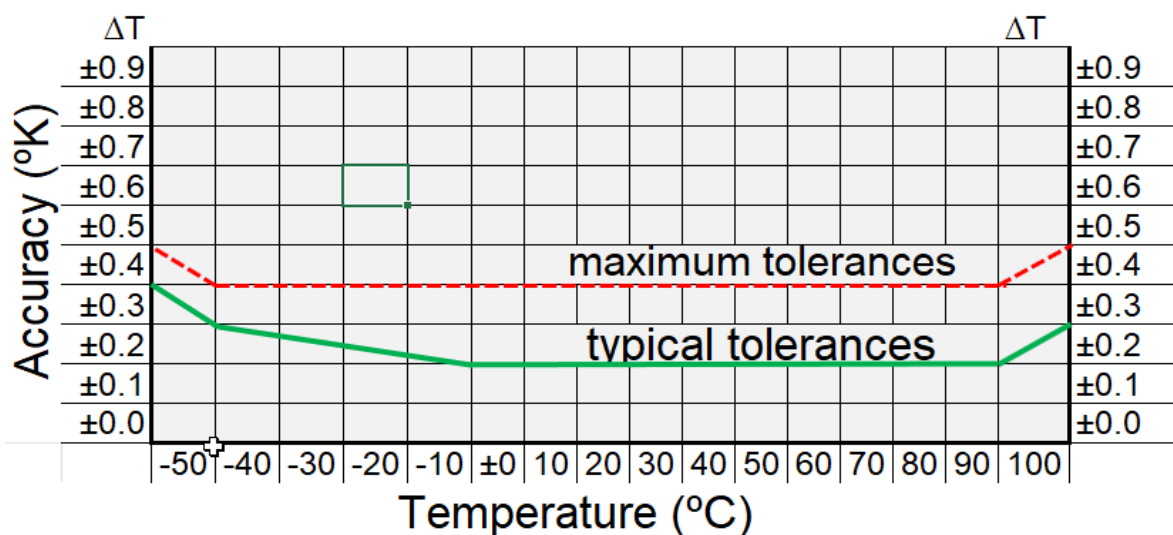
Terminals TOW1.AE / TOW1.BE						
T1		T2	T3	T4	T5	T6
UB+	24V AC/DC	GND	Temperature	not in use	not in use	not in use

R1- Off-set potentiometer (TE)

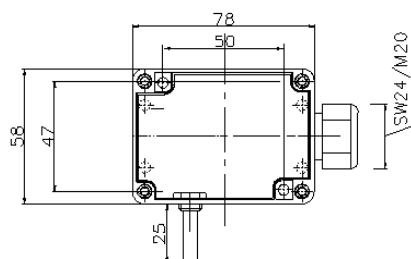


DIP Settings TOW1.AE / TOW1.BE											
Temperature Setting (DIP1 & DIP 2)								DIP3 / DIP4		DIP 5	
DIP1	DIP2	DIP1	DIP2	DIP1	DIP2	DIP1	DIP2	DIP3	DIP4	DIP5	DIP5
-50...50°C		0...50°C		-20...80°C		0...100°C		not used		0...10V	
										4...20mA	

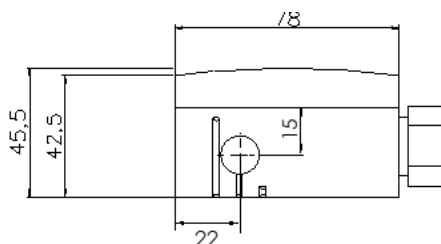
Accuracy Curves



Dimensional Drawing



TOW1.BE



TOW1 AE