

MESSKO® COMPACT SERIES WINDING TEMPERATURE ORDERING SPECIFICATIONS.

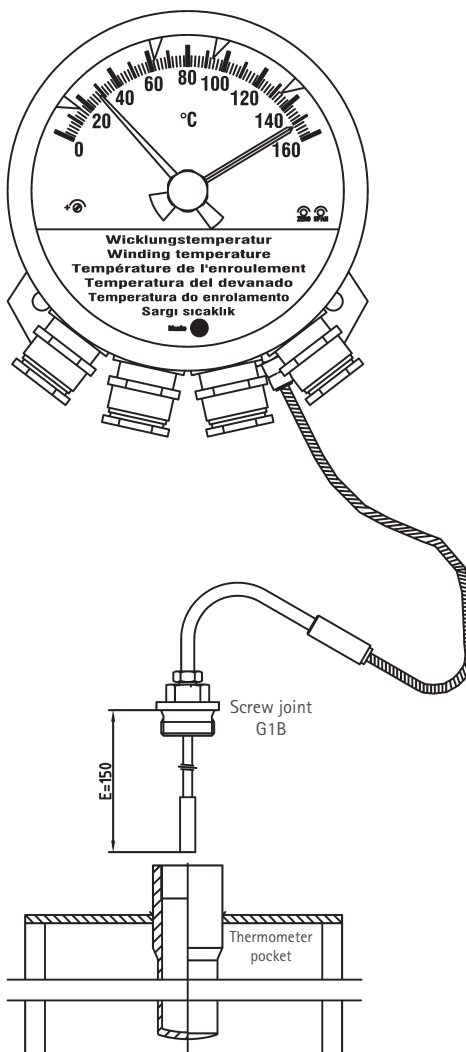


MESSKO INSTRUMENTS

MESSKO® Compact Series Type MT-ST160W(R)(TT) – Winding Temperature

Project/Reference: _____

Type
<input type="checkbox"/> Measuring range 0...+160 °C, PVC protection (W)*
<input type="checkbox"/> Measuring range 0...+160 °C, PVC protection, 4–20 mA Analogue output (W/TT)*
<input type="checkbox"/> Measuring range 0...+160 °C, Stainless steel protection (W)*
<input type="checkbox"/> Measuring range 0...+160 °C, Stainless steel protection, 4–20 mA Analogue output (W/TT)*
<input type="checkbox"/> Measuring range 0...+160 °C, PVC protection (WR)**
<input type="checkbox"/> Measuring range 0...+160 °C, PVC protection, 4–20 mA Analogue output (WR/TT)**
<input type="checkbox"/> Measuring range 0...+160 °C, Stainless steel protection (WR)**
<input type="checkbox"/> Measuring range 0...+160 °C, Stainless steel protection, 4–20 mA Analogue output (WR/TT)**



Microswitches
<input type="checkbox"/> 2 Microswitches (change-over contact)
<input type="checkbox"/> 4 Microswitches (change-over contact)
<input type="checkbox"/> 5 Microswitches (normally open contact)
<input type="checkbox"/> 6 Microswitches (normally open contact)
Others on request

Switching range				
1 red	2 blue	3 green	4 yellow	
				1 and 2 narrow standard

* refer to page 2

** refer to page 2

Length of capillary tube
<input type="checkbox"/> 2 m Capillary tube
<input type="checkbox"/> 4 m Capillary tube
<input type="checkbox"/> 6 m Capillary tube
<input type="checkbox"/> 8 m Capillary tube
<input type="checkbox"/> 10 m Capillary tube
<input type="checkbox"/> 12 m Capillary tube
Others on request

Special types				
Special measuring range				
On request				
Special screw joint				
<input type="checkbox"/> G3/4" B				
<input type="checkbox"/> M27 x 2				
Others on request				
Offshore model				
<input type="checkbox"/> Offshore model				
Others on request				
Special switching range				
<input type="checkbox"/> 3 and 4 narrow				
<input type="checkbox"/> 1 + 2/3 + 4 narrow				
Others on request				
Switching range				
1 red	2 blue	3 green	4 yellow	
				3 and 4 narrow
				1+2/3+4 narrow

Please enclose this order form filled in the order.

MESSKO® COMPACT SERIES WINDING TEMPERATURE TECHNICAL DATA.

MESSKO® MT-ST160W(R)(TT)	Technical Data
Material	
Housing (standard)	Galvanised sheet steel
Mounting ring and housing	Powder coated, bayonet fixing ring with silicone seal
Viewing glass	Laminated safety glass with UV filter
Temperature sensor	Brass, angled off
Mounting plate	Stainless steel
Capillary tube	Copper capillary tube with a PVC or stainless steel protection
Cable gland	4 used M25 x 1.5 made of brass and nickel-plated
Sensor screw joint	Thread G1B equivalent to BSP1", brass metallic bright
Characteristics	
Measuring range	0...+160 °C
Tolerance	Category 1 according to DIN EN 13190
Site of installation	Indoors and outdoors, tropicalised
Ambient temperature	-50...+80 °C
CT-Input	2 A at 100 % rated current
Degree of protection	IP55 according to DIN VDE 0470-1
Ventilation	The ventilation system provided keeps the glass free of condensation up to a level of 80 % rel. air humidity
Maximum pointer	All thermometers are equipped with a resettable red coloured maximum pointer
Weight	Approx. 2.5 kg (6 m capillary tube)
Analogue output (optional)	4...20 mA (a supply voltage is required)
Microswitches	
Quantity	1...6 adjustable microswitches (1...4 change-over microswitches)
Contact load	AC: 250 V/5 A/cos φ = 1 DC: 250 V/0.4 A (non-inductive) 110 V/0.6 A; 60 V/1 A; 24 V/4 A (non-inductive)
Minimum switching displacement	6% of the measuring range
Contact material	Silver cadmium oxide (AgCd010)
Rated insulation voltage	AC: 2.500 V/1 min.
Switching hysteresis	Approx. 5 °C
Terminals	Min. 0.25 mm ² /max. 2.5 mm ²

* MT-ST160W(TT) Adjustment of the gradient via heat current – refer to operating manual BA2038, pages 17-20

** MT-ST160WR(TT) Adjustment of the gradient via resistance values – refer to operating manual BA2038, pages 17-20

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