VAISALA

MMT143 Moisture in Oil and Temperature Transmitter



MMT143 Order Form
G010123EN-A
Valid from May 2026

				Sparepart	1	2	3	4	5	6	7	8	9	10	11	12
	MMT143 Moisture in Oil and Temperature Transmitter				**MMT143**								**A**		**O**	**N**
hw	1 Mechanical connection	**ISO G1/2" thread, 50 Bar**			**A**											
		NPT 1/2"thread, 50 Bar			**B**											
settings	2 Digital interface	**RS-485**[1]				**1**										
		RS-485 with MODBUS RTU (19200 N 8 2, address 240)				**2**										
		RS-485 with MODBUS RTU (19200 N 8 1, address 240)				**3**										
	3 Measurement parameters	**%RS + aw + T**					**A**									
		%RS + aw + T + ppm	(ppm for mineral transformer oil)				**B**									
		%RS + aw + T + ppm	(ppm for synthetic ester liquid, Midel7131)				**C**									
		%RS + aw + T + ppm	(ppm for natural ester liquid, FR3)				**D**									
		%RS + aw + T + ppm (oil specific)[2]	(specific transformer oil type:)				*X*									
	4 Analog signal output	**None**	(digital output only)					**0**								
		4...20mA	(3.6mA error state)					**1**								
		4...20mA	(0 mA error state)					**2**								
	5 Analog output parameter or function for Ch1	**None**	(RS-485/Modbus use only)						**N**							
		aw	(0...1)						**A**							
		ppm_w	(0...100 ppm)						**B**							
		ppm_w	(0...500 ppm)						**C**							
		%RS	(0...100%)						**D**							
		ppm_w	(specifc ppm range:)						**X**							
	6 Output units[3]	**Metric**								**A**						
		Non-metric								**B**						
hw	7 Filter	**Stainless steel grid**		HM47453SP							**1**					
		Stainless steel grid (high flow rate)		220752SP							**2**					
accessory	8 Cable	**No cable**										**N**				
		1.5 m (4.9 ft) heavy duty cable		225777								*A*				
		3 m (9.8 ft) heavy duty cable		225229								*B*				
		3 m (9.8 ft) cable with 90° angle		231520								*C*				
		5 m (16.4 ft) cable with 90° angle		231521								*D*				
		10 m cable (32.8 ft)		HMP50Z1000SP								*E*				
		5 m cable (16.4 ft)		HMP50Z500SP								*F*	**A**			
	10 User's guide	**None**												**A**		
		Quick Guide												**X**	**O**	**N**

1) Vaisala industrial protocol
2) Check the availability and special delivery time from your local Vaisala representative.
3) The selection affects only the Vaisala industrial protocol. The selection is irrelevant for all other configurations and defaults to metric.

Note:	**Selections in bold are included in the prices of the basic versions.** *Selections in italic are available at an extra price.*
Links:	User guide Datasheet

Example of order code with typical settings:
ISO thread, filter for normal flow, Modbus with all parametres for mineral oil

	1	2	3	4	5	6	7	8	9	10	11	12
MMT143	A	2	B	0	N	A	1	C	A	A	O	N

Accessories and spare parts

	Part Number
Stainless steel grid filter, standard	HM47453SP
Stainless steel grid (high flow rate) filter	220752SP
Connection cable for Indigo80	262195SP
USB cable for PC connection	219690
Standard sealing ring set (U-seal) ISO G1/2, 3 pcs	221525SP
Sealing ring set (copper) ISO G1/2, 3 pcs	221524SP
1.5 m (4.9 ft) heavy duty cable	225777SP
3 m (9.8 ft) heavy duty cable	225229SP
3 m (9.8 ft) cable with 90° angle	231520SP
5 m (16.4 ft) cable with 90° angle	231521SP
10 m cable (32.8 ft)	HMP50Z1000SP
5 m cable (16.4 ft)	HMP50Z500SP
Basic sampling cell	DMT242SC
Sampling cell with swagelok 1/4" male connectors	DMT242SC2