VAISALA

DMT153

Transmitter for Low Dew Point with a measurement range of -80 to -20°C



DMT153 Order Form
G010080EN-B
Valid from April 2026

				1	2	3	4	5	6	7	8	9	10	11	12
	DMT153 Transmitter for Low Dew Point with a measurement range of -80 to -20°C	Spare Part Number	DMT153											0	N
hardware	1 Mechanical Connection	**ISO G 1/2" Thread**		A											
		NPT 1/2" Thread		B											
		UNF 3/4"-16 Thread		C											
settings	2 Output Mode	**No analog output selected (Modbus RTU/Indigo)**			1										
		4...20 mA			2										
		0...20 mA			3										
		0...5 V			4										
		0...10 V			5										
	3 Analog output parameter and scaling	**No analog output parameter selected (Modbus RTU/Indigo)**				N									
		-80...+20 °C Td/f (-112...+68 °F Td/f), Dew point / frost point[1]				A									
		-100...+0 °C Td/f (-148...+32 °F Td/f), Dew point / frost point[1]				B									
		-80...+20 °C Td (-112...+68 °F Td), Dew point[2]				C									
		-100...+0 °C Td (-148...+32 °F Td), Dew point[2]				D									
		0...100 ppmv				E									
		0...500 ppmv				F									
		• *Td/f Dew point / frost point, free scaling °C or °F[1]*	_____			*X*									
		• *ppmv output, free scaling*	_____			*Y*									
	4 Operating pressure	**Operating pressure 1 bar (absolute)**					A								
		Operating pressure not specified, no ppm output					B								
		• *Custom operating pressure (absolute, 0...50 bar)*	_____				*X*								
	5 Baud rate	**19200 - Use with Indigo transmitters[3]**						1							
		9600						2							
	6 Parity, data bit, stop bit	**8, N, 2 - Use with Indigo transmitters[3]**							A						
		8, N, 1							B						
		8, E, 1							C						
		8, E, 2							D						
		8, O, 1							E						
		8, O, 2							F						
	7 Probe Modbus address	**240 - Use with Indigo transmitters[3]**								1					
		110								2					
		120								3					
		130								4					
		140								5					
		150								6					
		160								7					
		170								8					
		180								9					
		190								A					
hardware	8 Custom feature	**English calibration certificate**									A				
		• *English calibration certificate, custom text on probe, please specify (max. 16 char.)*	_____								*B*				
		Japanese calibration certificate with traceability report									C				
		• *Japanese calib. cert. with traceability report, custom text on probe, please specify (max. 16 char., Latin)*	_____								*D*				
accessories	9 Installation Accessories, ONLY for ISO G 1/2" Thread	**No installation accessories**										0			
		• *Sampling cell with female connectors, inlet G 3/8", outlet G 1/4" ISO*	*DMT242SC*									*1*			
		• *Sampling cell with Swagelok male connectors for 1/4" tubing*	*DMT242SC2*									*2*			
		• *Sampling cell with 1/4" Swagelok VCR connectors*	*DSCVCR14*									*3*			
	10 Connection Cable	**No cable**											N		
		• *1.5 m connection cable, open ends*	*223263SP*										*A*		
		• *3.0 m connection cable, open ends*	*26719SP*										*B*		
		• *5.0 m connection cable, open ends*	*26720*										*C*		
		• *1.5 m connection cable, open ends, with 90° angle connector*	*255102*										*D*		
		• *Connector, M12-5F for 4-8 mm shielded cable[4]*	*285482SP*										*E*		
	11 Reserved	**None**												0	
	12 Reserved	**None**													N

[1] Td/f uses a frost point calculation for dew point conditions under 0°C. Select this parameter when replacing DMT152.
[2] Td uses a liquid water dew point calculation regardless of the temperature condition.
[3] Factory pre-set, can be changed with a service cable (P/N USB2). Probe can be connected to INDIGO series of transmitters regardless of the output configuration.
[4] Connector for retrofitting an existing installed Vaisala DMT152 transmitter cable. See Wiring Replacement Connector 285482SP Installation Note M213334EN for instructions.

NOTE:
- **Selections in bold are included in the prices of the basic versions.**
- *Selections in italics are available at an extra price.*

LINKS:
- Datasheet
- Technical drawings
- Vaisala.com product page
- Sampling Cells Technical Note
- Indigo Family Product Catalog

Example of order code with typical settings:

	1	2	3	4	5	6	7	8	9	10	11	12
Standalone: DMT153	A	4	A	A	1	A	1	A	0	B	0	N

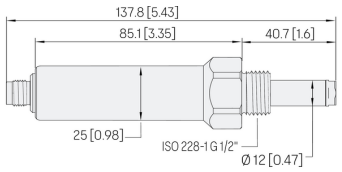
	1	2	3	4	5	6	7	8	9	10	11	12
for Indigo: DMT153	A	1	N	A	1	A	1	A	3	N	0	N

Accessories and spare parts	Part number
Indigo-compatible M12-USB Adapter (for connection to Insight software)	USB2
Mesh filter 18 um + washer, stainless steel	220957SP
Sampling cell with female connectors, inlet G 3/8", outlet G 1/4" ISO	DMT242SC
Sampling cell with Swagelok male connectors for 1/4" tubing	DMT242SC2
Sampling cell with 1/4" Swagelok VCR connectors	DSCVCR14
Sampling cell with quick connector and leak screw	DSC74SP
Two pressure sampling cell	DSC74BSP
Two pressure sampling cell with cooling/venting coil	DSC74CSP
Service kit for DSC74 sampling cells	DSC74SERVICEKIT
Cooling/venting coil for sampling cell	DMCOILSP
NW40 mounting flange	225220SP
Sealing ring set ISO (copper, 3 pcs)	221524SP
Sealing ring set UNF (copper, 3 pcs)	221563SP
ISO G 1/2" plug with sealing ring	218773
NPT 1/2" plug	222507
Connector, M12-5F for 4-8 mm shielded cable [4]	285482SP
Connection cable, M12-5F - open wires, 0.3 m	CBL210896-03MSP
Connection cable, M12-5F 90° - open wires, 0.6 m	244669SP
Connection cable, M12-5F - open wires, 1.5 m	223263SP
Connection cable, M12-5F 90° - open wires, 1.5 m	255102
Connection cable, M12-5F - open wires, 3 m	26719SP
Connection cable, M12-5F - open wires, 5 m	26720
Connection cable, M12-5F - open wires, 10 m	216546SP
Probe extension cable, M12-5F - M12-5M, 1 m (recommended for connection to Indigo80)	INDIGOCABLE1M
Probe extension cable, M12-5F - M12-5M, 3 m	INDIGOCABLE3M
Probe extension cable, M12-5F - M12-5M, 5 m	INDIGOCABLE5M
Probe extension cable, M12-5F - M12-5M, 10 m	INDIGOCABLE10M

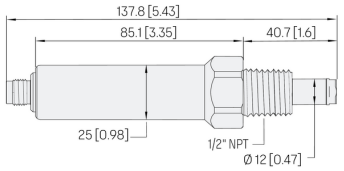
Mechanical connections:

Option:

A



B



C

