



		Spare Part Number		DMT153													
		DMT153 Transmitter for Low Dew Point with a measurement range of -80 to -20°C		1	2	3	4	5	6	7	8	9	10	11	12		
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													
settings	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													
		settings	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													
settings	5 Baud rate	19200 - Use with Indigo transmitters ³		1													
		9600		2													
settings	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													
settings	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		O													
		• 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													
accessories	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													
11 Reserved	None		O														
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.

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

LINKS: [Datasheet](#)
[Vaisala.com product page](#)
[Sampling Cells Technical Note](#)
[Indigo Family Product Catalog](#)

Example of order code with typical settings:
Standalone: DMT153 **A** **4** **A** **A** **1** **A** **1** **A** **O** **B** **O** **N**
for Indigo: DMT153 **A** **1** **N** **A** **1** **A** **1** **A** **3** **N** **O** **N**

Accessories and spare parts

Indigo-compatible M12-USB Adapter (for connection to Insight software)
 Mesh filter 18 um + washer, stainless steel
 Sampling cell with female connectors, inlet G 3/8", outlet G 1/4" ISO
 Sampling cell with Swagelok male connectors for 1/4" tubing
 Sampling cell with 1/4" Swagelok VCR connectors
 Sampling cell with quick connector and leak screw
 Two pressure sampling cell
 Two pressure sampling cell with cooling/venting coil
 Service kit for DSC74 sampling cells
 Cooling/venting coil for sampling cell
 NW40 mounting flange
 Sealing ring set ISO (copper, 3 pcs)
 Sealing ring set UNF (copper, 3 pcs)
 ISO G 1/2" plug with sealing ring
 NPT 1/2" plug
 Connection cable, M12-5F - open wires, 0.3 m
 Connection cable, M12-5F 90° - open wires, 0.6 m
 Connection cable, M12-5F - open wires, 1.5 m
 Connection cable, M12-5F 90° - open wires, 1.5 m
 Connection cable, M12-5F - open wires, 3 m
 Connection cable, M12-5F - open wires, 5 m
 Connection cable, M12-5F - open wires, 10 m
 Probe extension cable, M12-5F - M12-5M, 1 m (recommended for connection to Indigo80)
 Probe extension cable, M12-5F - M12-5M, 3 m
 Probe extension cable, M12-5F - M12-5M, 5 m
 Probe extension cable, M12-5F - M12-5M, 10 m

Part number

USB2
 220957SP
 DMT242SC
 DMT242SC2
 DSCVCR14
 DSC74SP
 DSC74BSP
 DSC74CSP
 DSC74SERVICEKIT
 DMCOILSP
 225220SP
 221524SP
 221563SP
 218773
 222507
 CBL210896-03MSP
 244669SP
 223263SP
 255102
 26719SP
 26720
 216546SP
 INDIGOCABLE1M
 INDIGOCABLE3M
 INDIGOCABLE5M
 INDIGOCABLE10M

