VAISALA

Order form Orderer

Valid from November 2018 Order no.

DMT143L Dewpoint Transmitter (DMT242 Replacement)

Vaisala DRYCAP® Dewpo	oint Transmitter DMT143	PRICE
1 Sensor and thread type	ISO G1/2" Probe with DRYCAP®180M Sensor L	
· concor and amount type	NPT 1/2" Probe with DRYCAP®180M Sensor P	
	ISO G1/2" Probe with DRYCAP®180S Sensor R	
	NPT 1/2" Probe with DRYCAP®180S Sensor T	
2 Dinital intenfers		
2 Digital interface	RS485 1	
	Modbus RTU (defaults: 19200, N, 8, 2, address 240)	
3 Analog signal output	None 0	
	420mA (3.6 mA error state) C	
	420mA (0 mA error state) G	
4 Analog output scaling	None, metric units (analog signal output selection must be none) 0	
	-80+20°C Td (same as DMT242A scale) 1	
	-80+20°C Tda, dewpoint at ambient pressure	
NOTE: Please select U	-60+60°C Td (same as DMT242B scale) A	
if non-metric units (°F)	-50+50°C Td (same as DMT242S scale) B	
are needed for analog	01000 ppmv 3	
and/or digital output	05000 ppmv 4	
ana/or aighar oatput	free scaling ppm Define scale:	
	free scaling Td °F Define scale:	
	free scaling Td °C Define scale: X	
- AL 155		
5 Alarm LED setpoint	Off Only fault indication A	
	-40°C Td Class 2 B	
	-20°C Td Class 3 C	
	-10°C Td D	
	+3°C Td Class 4 E	
	Other value define value: °C Td X	
	Deactivated LED always off Z	
6 Process gas	Air for DRYCAP®180M Default setting with 24 h purge interval 1	
and chemical purge	Air for DRYCAP®180S Original setting with DMT242S, no purge	
settings	Air for DRYCAP®180S with 12h purge interval, recommended F	
7 Pressure setting	1 bar (abs)	
for optimized	3 bar (abs)	
accuracy	- · · · · · · · · · · · · · · · · · · ·	
• • • • • • • • • • • • • • • • • • • •	5000iai (max 20 bai abo)	
8 Cable	No cable 0	
	0.3 m (1.0 ft) spare: HMP50Z032 2	
	3 m (9.8 ft) spare: HMP50Z30A 3	
	5 m (16.4 ft)	
	10 m (32.8 ft) spare: HMP50Z1000 5	
	1.5 m (4.9 ft) heavy duty cable spare: 225777 6	
	3 m (9.8 ft) heavy duty cable spare: 225229 7	
9 Sensor protection	Stainless steel sintered filter (38um) spare: HM47280SP 1	
	Stainless steel filter for vacuum spare: HM47453SP S	1
10 Accessories	no accessories 0	1
- Accessories	DMT242 to DMT143 cable adapter (spare: 247890SP) A	
ONI V for ISO4/01/45		
ONLY for ISO1/2" thread	Basic sampling cell DMT242SC 1	
	Sampling cell with swagelok 1/4" male connectors DMT242SC2 2	
	Sampling cell with quick connector and leak screw, DSC74 3	
	Two pressure sampling cell, DSC74B 4	1
	Two pressure sampling cell with cooling/venting coil, DSC74C 5	
	Duct installation flange DM240FA 6	
	Mounting nut 7	
	NPT 1/2" adapter (spare: 210662SP) 8	
	Standard A	1
11 Package		1
11 Package		1
12 Identity	Vaisala	
	Vaisala S no user guide	
12 Identity	Vaisala S no user guide A multilingual guide S	(
12 Identity	Vaisala S no user guide	-

Selections in bold are included in the prices of the basic versions. Selections in italic are available at an extra price.

Example of order code with typical settings:

| DMT143 | L | 1 | C | 1 | A | 1 | A | 3 | 1 | 0 | A | S | X |

Replacement	DMT242A	L	1	С	1	Z	1	Α	0	1	Α	Α	S	Х
Examples:	DMT242B	Г	1	С	Α	Z	1	Α	0	1	Α	Α	S	Х
DMT143	DMT242S	R	1	С	В	Z	F	Α	0	1	Α	Α	s	Х

End customer: