**VAISALA**

**Order form**
Orderer _____

**Valid from February 2015**
Order no. _____

# DMT341 Dewpoint and Temperature Transmitter

**For wall mounting**

| | | |

**VAISALA**

**Order form**
Orderer

**Valid from February 2015**
Order no.

# DMT342 Dewpoint and Temperature Transmitter

**With Small Size Flanged Probe for Use with Sampling Cell**

| | | | | |
|---|---|---|---|---|
| **Vaisala DRYCAP® Dewpoint and Temperature Transmitter** | | | **DMT340** | PRICE |
| 1 **Transmitter type** | **DMT342** | | **2** | |
| 2 **Probe cable length** | **2 m cable** | | **B** | |
| | *5 m cable* | | *C* | |
| | *10 m cable* | | *D* | |
| 3 **-** | - | | **0** | |
| 4 **Measurement parameters** | **Dewpoint + ppm + mixing ratio** | **(For T= -40...80 °C)** | **A** | |
| **parameters** | **Dewpoint + ppm + mixing ratio + relative humidity + temperature** | **(For T= 0...80 °C)** | **B** | |
| | **Td/f, PPM, x, a, RH, T, Td, Td/f atm, Td atm, aNTP, pw, pws, h, dT** | **(For T at 0...80°C)** | **C** | |
| 5 **Display** | **No display** | | **0** | |
| | *Graphical display with keypad* | | *1* | |
| 6 **Power supply** | **10...35 VDC, 24 VAC** | | **A** | |
| | *10...35 VDC, 24 VAC with galvanic isolation for outputs* | | *B* | |
| | *Universal AC -power (100....240 VAC)* | | *C* | |
| | *Universal AC -power (100....240 VAC) + US -power cord* | | *D* | |
| | *Universal AC -power (100....240 VAC) + EUR -power cord* | | *E* | |
| | *Universal AC -power (100....240 VAC) + UK -power cord* | | *F* | |
| | *Universal AC -power (100....240 VAC) + AUS -power cord* | | *G* | |
| | *External US AC-adapter (for LAN/WLAN interface in USA)* | Not IP65 | *K* | |
| 7 **Analog output** | **4... 20 mA** | | **1** | |
| | **0... 20 mA** | | **2** | |
| | **0... 1 V** | | **3** | |
| | **0... 5 V** | | **4** | |
| | **0... 10 V** | | **5** | |
| 8 **Analog output** | **No 3rd analog output** | | | **A** |
| 9 **parameter and scaling** | **Dewpoint Td/f (-80...+20 °C)** **( -112...+68 °F)** | | **B** | **B** / *B* |
| 10 **for Ch1&Ch2(&Ch3)** | **Dewpoint Td/f (-60...+20 °C)** **( -76...+68 °F)** | | **C** | **C** / *C* |
| | **Dewpoint Td/f (-50...+50 °C)** **( -58...+122°F)** | | **D** | **D** / *D* |
| | **Temperature (0...+80 °C)** **(+32...+176 °F)** | | **E** | **E** / *E* |
| | **PPMv (0...1000 ppm)** | **only for channel 1** | **G** | |
| | **PPMw (0...1000 ppm)** | **only for channel 1** | **H** | |
| | **Mixing ratio (0...30 g/kg d.a)** **(0...210 gr/lbs)** | | **J** | **J** / *J* |
| | **Relative humidity (0...100 %RH)** | | **K** | **K** / *K* |
| **SPECIAL** | **Define parameter (unit) for Ch1:_____(_____) Ch2:_____(_____)** *Ch3:_____(_____)* | | **X** | **X** / *X* |
| | **Define scale for** **Ch1:_____ Ch2:_____** *Ch3:_____* | | | |
| | | **Channel 1** | | |
| | | **Channel 2** | | |
| | | *Channel 3, choose A, if not needed* | | |
| 11 **Operating pressure** | **1 bar (abs)** **(14.5 psi abs)** | | | **1** |
| | **3 bar** **(43.5)** | | | **2** |
| | **5 bar** **(72.5)** | | | **3** |
| | **7 bar** **(101.5)** | | | **4** |
| | **9 bar** **(130.5)** | | | **5** |
| | **special ( max 50 bar / 725 psi )*** **_____(bar / psi)(abs)** | | | **X** |
| 12 **Output units** | **Metric units** | | | **A** |
| | **Non-metric units** | | | **B** |
| 13 **Additional feature** | **None** | | | **0** |
| | *Alarm relay output* | | | *1* |
| | *RS-485 serial interface with galvanic isolation* | | | *2* |
| | *LAN (ethernet) interface + 2 m cable (RJ45)* | | | *4* |
| | *WLAN (wireless ethernet) interface + antenna* | | | *5* |
| | *Data Logging Module* | | | *6* |
| 14 **Additional feature 2** | **None** | | | **0** |
| | *Alarm relay output* | | | *1* |
| | *3rd analog output* | *Choose also analog output parameter and scale for Ch3* | | *3* |
| | *Data Logging Module* | *Not possible if the data logger module has already been chosen in item 13* | | *6* |
| 15 **Interface cable connection** | **Cable gland (for 8...11 mm cable)** **(for 0.315...0.433 inch cable)** | | | **1** |
| | **Conduit fitting for wire conduit (NPT1/2")** | | | **2** |
| | *Connector (M12, 8 pin) and plug with 5m black cable* | | | *3* |
| | *Connector (M12, 8 pin) and plug for user's cable* | | | *4* |
| 16 **Transmitter housing** | **Wall mounting** | | | **A** |
| **installation** | *Wall mounting with quick installation or on junction boxes* | | | *B* |
| | *Pipe/pole installation* | | | *C* |
| | *Pipe/pole installation with rain shield for outdoor installations* | | | *D* |
| | *DIN-rail installation* | | | *E* |
| 17 **Sensor** | **DRYCAP® 180M** | | | **1** |
| 18 **Sensor protection** | **Sintered stainless steel filter** | | | **A** |
| | **Stainless steel filter for vacuum** | | | **B** |
| 19 **Probe installation** | **None** | | | **0** |
| **accessories** | *Sampling cell ( HMP302SC )* | | | *1* |
| 20 **User's guide** | **None** | | | **A** |
| | **English** | | | **B** |
| | **German** | | | **C** |
| pdf user's guides available at: | **French** | | | **D** |
| www.vaisala.com/dmt340 | **Japanese** | | | **J** |
| 21 **PC accessories** | **None** | | | **0** |
| | *MI70LINK software for Windows® with RS232 service cable* | | | *2* |
| | *MI70LINK software for Windows® with USB service cable* | | | *4* |
| 22 **Calibration** | **Standard calibration with NIST traceable certificate** | *service item for calibration: 223299* | | **A** |
| 23 **Service contract** | **None** | | | **0** |

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

TOTAL
QTY
TOTAL VALUE

*Measuring in pressures above 20 bara (290 psia) sets requirements on the operating voltage.
Please consult Vaisala sales

**Example of order code with typical settings:**

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DMT340 | 2 | B | 0 | B | 1 | A | 1 | B | E | A | 1 | A | 0 | 0 | 1 | A | 1 | A | 1 | B | 2 | A | 0 |

End customer: _____

**VAISALA**

**Order form**
Orderer

**Valid from February 2015**
Order no.

# DMT344 Dewpoint and Temperature Transmitter

**For Pressurized Processes**

| | | | | | | |
|---|---|---|---|---|---|---|
| | **Vaisala DRYCAP® Dewpoint and Temperature Transmitter** | | **DMT340** | **4 0 1 A 0** | | PRICE |
| 1 | **Transmitter type** | **DMT344** | | **4** | | |
| 2 | **Probe cable length** | **2 m cable** | | **H** | | |
| | | *5 m cable* | | *J* | | |
| | | *10 m cable* | | *K* | | |
| 3 | **-** | - | | **0** | | |
| 4 | **Measurement parameters** | **Dewpoint + ppm + mixing ratio** | **(For T= -40...80 °C)** | **A** | | |
| | **parameters** | **Dewpoint + ppm + mixing ratio + relative humidity + temperature** | **(For T= 0...80 °C)** | **B** | | |
| | | **Td/f, PPM, x, a, RH, T, Td, Td/f atm, Td atm, aNTP, pw, pws, h, dT** | **(For T at 0...80'C)** | **C** | | |
| 5 | **Display** | **No display** | | **0** | | |
| | | *Graphical display with keypad* | | *1* | | |
| 6 | **Power supply** | **10...35 VDC, 24 VAC** | | **A** | | |
| | | *10...35 VDC, 24 VAC with galvanic isolation for outputs* | | *B* | | |
| | | *Universal AC -power (100....240 VAC)* | | *C* | | |
| | | *Universal AC -power (100....240 VAC) + US -power cord* | | *D* | | |
| | | *Universal AC -power (100....240 VAC) + EUR -power cord* | | *E* | | |
| | | *Universal AC -power (100....240 VAC) + UK -power cord* | | *F* | | |
| | | *Universal AC -power (100....240 VAC) + AUS -power cord* | | *G* | | |
| | | *External US AC-adapter (for LAN/WLAN interface in USA)* | Not IP65 | *K* | | |
| 7 | **Analog output** | **4... 20 mA** | | **1** | | |
| | | **0... 20 mA** | | **2** | | |
| | | **0... 1 V** | | **3** | | |
| | | **0... 5 V** | | **4** | | |
| | | **0... 10 V** | | **5** | | |
| 8 | **Analog output** | **No 3rd analog output** | | | **A** | |
| 9 | **parameter and scaling** | **Dewpoint Td/f (-80...+20 °C)** | **( -112...+68 °F)** | **B B** *B* | | |
| 10 | **for Ch1&Ch2(&Ch3)** | **Dewpoint Td/f (-60...+20 °C)** | **( -76...+68 °F)** | **C C** *C* | | |
| | | **Dewpoint Td/f (-50...+50 °C)** | **( -58...+122 °F)** | **D D** *D* | | |
| | | **Temperature (0...+80 °C)** | **(+32...+176 °F)** | **E E** *E* | | |
| | | **PPMv (0...1000 ppm)** | **only for channel 1** | **G** | | |
| | | **PPMw (0...1000 ppm)** | **only for channel 1** | **H** | | |
| | | **Mixing ratio (0...30 g/kg d.a)** | **(0...210 gr/lbs)** | **J J** *J* | | |
| | | **Relative humidity (0...100 %RH)** | | **K K** *K* | | |
| | **SPECIAL** | **Define parameter (unit) for Ch1:_____(_____) Ch2:_____(_____)** *Ch3:_____(_____)* | | **X X** *X* | | |
| | | **Define scale for Ch1:_____ Ch2:_____** *Ch3:_____* | | | | |
| | | | **Channel 1** | | | |
| | | | **Channel 2** | | | |
| | | | *Channel 3, choose A, if not needed* | | | |
| 11 | **Operating pressure** | **1 bar (abs)** | **(14.5 psi abs)** | | **1** | |
| | | **3 bar** | **(43.5)** | | **2** | |
| | | **5 bar** | **(72.5)** | | **3** | |
| | | **7 bar** | **(101.5)** | | **4** | |
| | | **9 bar** | **(130.5)** | | **5** | |
| | | **special ( max 50 bar / 725 psi )*** | **_____(bar / psi)(abs)** | | **X** | |
| 12 | **Output units** | **Metric units** | | | **A** | |
| | | **Non-metric units** | | | **B** | |
| 13 | **Additional feature** | **None** | | | **0** | |
| | | *Alarm relay output* | | | *1* | |
| | | *RS-485 serial interface with galvanic isolation* | | | *2* | |
| | | *LAN (ethernet) interface + 2 m cable (RJ45)* | | | *4* | |
| | | *WLAN (wireless ethernet) interface + antenna* | | | *5* | |
| | | *Data Logging Module* | | | *6* | |
| 14 | **Additional feature 2** | **None** | | | **0** | |
| | | *Alarm relay output* | | | *1* | |
| | | *3rd analog output* | *Choose also analog output parameter and scale for Ch3* | | *3* | |
| | | *Data Logging Module* | *Not possible if the data logger module has already been chosen in item 13* | | *6* | |
| 15 | **Interface cable connection** | **Cable gland (for 8...11 mm cable)** | **(for 0.315...0.433 inch cable)** | | **1** | |
| | | **Conduit fitting for wire conduit (NPT1/2")** | | | **2** | |
| | | *Connector (M12, 8 pin) and plug with 5m black cable* | | | *3* | |
| | | *Connector (M12, 8 pin) and plug for user's cable* | | | *4* | |
| 16 | **Transmitter housing** | **Wall mounting** | | | **A** | |
| | **installation** | *Wall mounting with quick installation or on junction boxes* | | | *B* | |
| | | *Pipe/pole installation* | | | *C* | |
| | | *Pipe/pole installation with rain shield for outdoor installations* | | | *D* | |
| | | *DIN-rail installation* | | | *E* | |
| 17 | **Sensor** | **DRYCAP® 180M** | | | **1** | |
| 18 | **Sensor protection** | **Sintered stainless steel filter** | | | **A** | |
| | | **Stainless steel filter for vacuum** | | | **B** | |
| 19 | **Probe installation** | **Fitting body M22 x 1.5** | | | **2** | |
| | **accessories** | **Fitting body NPT1/2"** | | | **3** | |
| 20 | **User's guide** | **None** | | | **A** | |
| | | **English** | | | **B** | |
| | | **German** | | | **C** | |
| | pdf user's guides available at: | **French** | | | **D** | |
| | www.vaisala.com/dmt340 | **Japanese** | | | **J** | |
| 21 | **PC accessories** | **None** | | | **0** | |
| | | *MI70LINK software for Windows® with RS232 service cable* | | | *2* | |
| | | *MI70LINK software for Windows® with USB service cable* | | | *4* | |
| 22 | **Calibration** | **Standard calibration with NIST traceable certificate** | *service item for calibration: 223299* | | **A** | |
| 23 | **Service contract** | **None** | | | **0** | |

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

TOTAL
QTY
TOTAL VALUE

*Measuring in pressures above 20 bara (290 psia) sets requirements on the operating voltage.
Please consult Vaisala sales

**Example of order code with typical settings:**

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DMT340 | 4 | H | 0 | B | 1 | A | 1 | B | E | A | 1 | A | 0 | 0 | 1 | A | 1 | A | 2 | B | 2 | A | 0 |

End customer: _____

**VAISALA**

**Order form**
Orderer

**Valid from February 2015**
Order no.

# DMT347 Dewpoint and Temperature Transmitter

**With Small Pressure-tight Probe**

| | | | | | |
|---|---|---|---|---|---|
| **Vaisala DRYCAP® Dewpoint and Temperature Transmitter** | | | **DMT340** | **7 0 1 A 0** | PRICE |
| 1 **Transmitter type** | **DMT347** | | | **7** | |
| 2 **Probe cable length** | **2 m cable** | | | **S** | |
| | *5 m cable* | | | *T* | |
| | *10 m cable* | | | *U* | |
| 3 **-** | - | | | **0** | |
| 4 **Measurement parameters** | **Dewpoint + ppm + mixing ratio** | | **(For T= -40...80 °C)** | **A** | |
| **parameters** | **Dewpoint + ppm + mixing ratio + relative humidity + temperature** | | **(For T= 0...80 °C)** | **B** | |
| | **Td/f, PPM, x, a, RH, T, Td, Td/f atm, Td atm, aNTP, pw, pws, h, dT** | | **(For T at 0...80°C)** | **C** | |
| 5 **Display** | **No display** | | | **0** | |
| | *Graphical display with keypad* | | | *1* | |
| 6 **Power supply** | **10...35 VDC, 24 VAC** | | | **A** | |
| | *10...35 VDC, 24 VAC with galvanic isolation for outputs* | | | *B* | |
| | *Universal AC -power (100....240 VAC)* | | | *C* | |
| | *Universal AC -power (100....240 VAC) + US -power cord* | | | *D* | |
| | *Universal AC -power (100....240 VAC) + EUR -power cord* | | | *E* | |
| | *Universal AC -power (100....240 VAC) + UK -power cord* | | | *F* | |
| | *Universal AC -power (100....240 VAC) + AUS -power cord* | | | *G* | |
| | *External US AC-adapter (for LAN/WLAN interface in USA)* | | Not IP65 | *K* | |
| 7 **Analog output** | **4... 20 mA** | | | **1** | |
| | **0... 20 mA** | | | **2** | |
| | **0... 1 V** | | | **3** | |
| | **0... 5 V** | | | **4** | |
| | **0... 10 V** | | | **5** | |
| 8 **Analog output** | **No 3rd analog output** | | | **A** | |
| 9 **parameter and scaling** | **Dewpoint Td/f (-80...+20 °C)** | **( -112...+68 °F)** | | **B B** *B* | |
| 10 **for Ch1&Ch2(&Ch3)** | **Dewpoint Td/f (-60...+20 °C)** | **( -76...+68 °F)** | | **C C** *C* | |
| | **Dewpoint Td/f (-50...+50 °C)** | **( -58...+122 °F)** | | **D D** *D* | |
| | **Temperature (0...+80 °C)** | **(+32...+176 °F)** | | **E E** *E* | |
| | **PPMv (0...1000 ppm)** | | **only for channel 1** | **G** | |
| | **PPMw (0...1000 ppm)** | | **only for channel 1** | **H** | |
| | **Mixing ratio (0...30 g/kg d.a)** | **(0...210 gr/lbs)** | | **J J** *J* | |
| | **Relative humidity (0...100 %RH)** | | | **K K** *K* | |
| **SPECIAL** | **Define parameter (unit) for Ch1:_____(_____) Ch2:_____(_____)** *Ch3:_____(_____)* | | | **X X** *X* | |
| | **Define scale for Ch1:_____ Ch2:_____** *Ch3:_____* | | | | |
| | | | **Channel 1** | | |
| | | | **Channel 2** | | |
| | | | *Channel 3, choose A, if not needed* | | |
| 11 **Operating pressure** | **1 bar (abs)** | **(14.5 psi abs)** | | **1** | |
| | **3 bar** | **(43.5)** | | **2** | |
| | **5 bar** | **(72.5)** | | **3** | |
| | **7 bar** | **(101.5)** | | **4** | |
| | **9 bar** | **(130.5)** | | **5** | |
| | **special ( max 50 bar / 725 psi )*** | **_____ (bar / psi)(abs)** | | **X** | |
| 12 **Output units** | **Metric units** | | | **A** | |
| | **Non-metric units** | | | **B** | |
| 13 **Additional feature** | **None** | | | **0** | |
| | *Alarm relay output* | | | *1* | |
| | *RS-485 serial interface with galvanic isolation* | | | *2* | |
| | *LAN (ethernet) interface + 2 m cable (RJ45)* | | | *4* | |
| | *WLAN (wireless ethernet) interface + antenna* | | | *5* | |
| | *Data Logging Module* | | | *6* | |
| 14 **Additional feature 2** | **None** | | | **0** | |
| | *Alarm relay output* | | | *1* | |
| | *3rd analog output* | *Choose also analog output parameter and scale for Ch3* | | *3* | |
| | *Data Logging Module* | *Not possible if the data logger module has already been chosen in item 13* | | *6* | |
| 15 **Interface cable connection** | **Cable gland (for 8...11 mm cable)** | **(for 0.315...0.433 inch cable)** | | **1** | |
| | **Conduit fitting for wire conduit (NPT1/2")** | | | **2** | |
| | *Connector (M12, 8 pin) and plug with 5m black cable* | | | *3* | |
| | *Connector (M12, 8 pin) and plug for user's cable* | | | *4* | |
| 16 **Transmitter housing** | **Wall mounting** | | | **A** | |
| **installation** | *Wall mounting with quick installation or on junction boxes* | | | *B* | |
| | *Pipe/pole installation* | | | *C* | |
| | *Pipe/pole installation with rain shield for outdoor installations* | | | *D* | |
| | *DIN-rail installation* | | | *E* | |
| 17 **Sensor** | **DRYCAP® 180M** | | | **1** | |
| 18 **Sensor protection** | **Sintered stainless steel filter** | | | **A** | |
| | **Stainless steel filter for vacuum** | | | **B** | |
| 19 **Probe installation** | *Swagelok connector ISO 3/8"* | | | *4* | |
| **accessories** | *Swagelok connector NPT 1/2"* | | | *5* | |
| | *Swagelok connector ISO 1/2"* | | | *K* | |
| 20 **User's guide** | **None** | | | **A** | |
| | **English** | | | **B** | |
| | **German** | | | **C** | |
| pdf user's guides available at: | **French** | | | **D** | |
| www.vaisala.com/dmt340 | **Japanese** | | | **J** | |
| 21 **PC accessories** | **None** | | | **0** | |
| | *MI70LINK software for Windows® with RS232 service cable* | | | *2* | |
| | *MI70LINK software for Windows® with USB service cable* | | | *4* | |
| 22 **Calibration** | **Standard calibration with NIST traceable certificate** | | *service item for calibration: 223299* | **A** | |
| 23 **Service contract** | **None** | | | **0** | |
| | | | | | TOTAL |
| | | | | | QTY |
| | | | | | TOTAL VALUE |

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

*Measuring in pressures above 20 bara (290 psia) sets requirements on the operating voltage.
Please consult Vaisala sales

**Example of order code with typical settings:**

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DMT340 | 7 | S | 0 | B | 1 | A | 1 | B | E | A | 1 | A | 0 | 0 | 1 | A | 1 | A | 4 | B | 2 | A | 0 |

End customer: _____

**VAISALA**

**Order form**
Orderer _____

**Valid from February 2015**
Order no. _____

# DMT348 Dewpoint and Temperature Transmitter

**For Pressurized Pipelines**

| | | |