VAISALA

ORIGO10
Transmitter for HVAC applications



ORIGO10 Order Form
G010081EN-C
Valid from October 2026

Looking for help generating an ORIGO10 order code?
Try our Origo Configurator tool or contact sales for assistance.

				Sparepart	ORIGO10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	Transmitter for HVAC applications												O										V	N	N
hardware	1 Transmitter Model	•	*3-Wire Transmitter, Supports All Probe Models (Origo10A)*		*A*																					
			2-Wire Transmitter (Loop Powered), Supports Selected RH + T Probe Models (Origo10L)		**L**																					
	2 Transmitter Mounting		**Wall-Mounted Transmitter, Remote Probe with Cable**		**C**																					
			Duct Mounted Transmitter, Rigid type, Exchangeable probe [1]		**D**																					
		•	*Wall-Mounted Transmitter, Remote Probe with Cable including Duct Kit*		*K*																					
			Wall-Mounted Transmitter, Probe without Cable [1]		**W**																					
	3 Display	•	*Include Display*		*D*																					
			No Display		**N**																					
setup	4 Units		**Metric Units (SI)**		**1**																					
			Non-Metric Units		**2**																					
			Metric Units Only, not changeable		**3**																					
	5 Output Configuration		**4 ... 20 mA Loop Powered (2-Wire)**		**2**																					
			Modbus RTU [2]		**M**																					
			BACnet MS/TP [2]		**B**																					
			4 ... 20 mA (3-Wire) [2]		**C**																					
			4 ... 20 mA (3-Wire) with Modbus RTU [2]		**D**																					
			4 ... 20 mA (3-Wire) with BACnet MS/TP [2]		**E**																					
			0 ... 10 V (3-Wire) [2]		**F**																					
			0 ... 10 V (3-Wire) with Modbus RTU [2]		**G**																					
			0 ... 10 V (3-Wire) with BACnet MS/TP [2]		**H**																					
			0 ... 5 V (3-Wire) [2]		**J**																					
hardware	6 Measurement Probe A		**No Measurement Probe or Probe Ordered Separately**		**O**																					
		•	*RH+T: XMP10 Probe, ±1.5 %RH, ±0.1 °C (Stainless Steel)*	XMP10-RSLAM000VNNN	*A*																					
		•	*RH+T: XMP10 Probe, ±1.5 %RH, ±0.1 °C (Plastic)*	XMP10-RPFAM000VNNN	*B*																					
		•	*T: XMP10 Probe, ±0.1 °C (Stainless Steel)*	XMP10-TSL1M000VNNN	*C*																					
		•	*T: XMP10 Probe, ±0.1 °C (Plastic)*	XMP10-TPF1M000VNNN	*D*																					
		•	*T: TMP115 Wide-Range Temperature Probe with 3m Sensor Cable (5pt calibration)*	TMP115-2AMN	*E*																					
		•	*CO2 ppm: GMP252 Probe* [4]	GMP252-10A0B0N1 + ASM213582	*1*																					
		•	*CO2 %: GMP251 Probe* [2]	GMP251-A0B0C0N1 + ASM213582	*2*																					
		•	*Td: DMT143 Probe (ISO G1/2 in) with Holder* [2,4]	DMT143-G300AEA0A0ASA + ASM216087SP	*3*																					
	7 Measurement Probe B		**Probe B Not Required or Probe B Ordered Separately**		**O**																					
		•	*RH+T: XMP10 Probe, ±1.5 %RH, ±0.1 °C (Stainless Steel)* [2,5]	XMP10-RSLAM000VNNN + 284332	*1*																					
		•	*RH+T: XMP10 Probe, ±1.5 %RH, ±0.1 °C (Plastic)* [2,5]	XMP10-RPFAM000VNNN + 284332	*2*																					
		•	*T: XMP10 Probe, ±0.1 °C (Stainless Steel)* [2,5]	XMP10-TSL1M000VNNN + 284332	*3*																					
		•	*T: XMP10 Probe, ±0.1 °C (Plastic)* [2,5]	XMP10-TPF1M000VNNN + 284332	*4*																					
		•	*T: TMP115 Wide-Range Temperature Probe with 3m Sensor Cable (5pt calibration)* [2,5]	TMP115-2AMN + 284332	*5*																					
	8 Reserved		**Reserved**		**O**																					
	9 Additional Inputs or Outputs		**None**		**O**																					
		•	*Relay Output with Digital Input* [2]		*1*																					
setup	10 Analog Output and Display Parameter 1		**No Analog Output or Display**		**O**												O	O	O							
	11 Analog Output and Display Parameter 2		**RH 0...100 % from Probe A**		**A**												A	A	A							
	12 Analog Output and Display Parameter 3		**T 0...+50 °C (+32...+122 °F) from Probe A**		**H**												H	H	H							
			T -40...+60 °C (-40...+140 °F) from Probe A		**J**												J	J	J							
			T -30...+50 °C (-22...+122 °F) from Probe A		**U**												U	U	U							
			T -20...+80 °C (+4...+176 °F) from Probe A		**V**												V	V	V							
			T -40...+80 °C (-40...+176 °F) from Probe A		**W**												W	W	W							
			T -90...+30 °C (-130...+86 °F) from Probe A		**K**												K	K	K							
			Tdf -20...+80 °C (-4...+176 °F) from Probe A		**C**												C	C	C							
			Tw 0...+80 °C (+32...+176 °F) from Probe A		**D**												D	D	D							
			h -40...1500 kJ/kg (-9.5...+652.6 Btu/lb) from Probe A		**E**												E	E	E							
			a 0...300 g/m3 (0...131 gr/ft3) from Probe A		**F**												F	F	F							
			x 0...500 g/kg d.a. (0...3600 gr/lb) from Probe A		**G**												G	G	G							
			Td -20...+80 °C (-4...+176 °F) from Probe A [4]		**B**												B	B	B							
			CO2 0...2000 ppm from Probe A		**L**												L	L	L							
			CO2 0...20 % from Probe A		**P**												P	P	P							
			RH 0...100 % from Probe B [2]		**1**												1	1	1							
			T 0...+50 °C (+32...+122 °F) from Probe B [2]		**7**												7	7	7							
			T -40...+60 °C (-40...+140 °F) from Probe B [2]		**5**												5	5	5							
			T -90...+30 °C (-130...+86 °F) from Probe B [2]		**6**												6	6	6							
			Tdf -20...+80 °C (-4...+176 °F) from Probe B [2]		**3**												3	3	3							
			Tw 0...+80 °C (+32...+176 °F) from Probe B [2]		**4**												4	4	4							
	13 Display Parameter 4		**No Selection for Display Parameter 4**		**0**																					
			RH (Relative Humidity) from Probe A		**A**																					
			T (Temperature) from Probe A		**H**																					
			Tdf (Dew / Frost Point Temperature) from Probe A		**C**																					
			Tw (Wet Bulb Temperature) from Probe A		**D**																					
			h (Enthalpy) from Probe A		**E**																					
			a (Absolute Humidity) from Probe A		**F**																					
			x (Humidity Ratio) from Probe A		**G**																					
			Td (Dew Point Temperature) from Probe A [4]		**B**																					
			CO2 (Carbon Dioxide) from Probe A		**J**																					
			RH (Relative Humidity) from Probe B [2]		**1**																					
			T (Temperature) from Probe B [2]		**5**																					
			Tdf (Dew / Frost Point Temperature) from Probe B [2]		**3**																					
			Tw (Wet Bulb Temperature) from Probe B [2]		**4**																					
hardware	14 Cable Bushing and Lead-through options		**No Bushing**		**0**																					
			Cable Gland, 4...11 mm	284773SP	**1**																					
			Conduit Fitting NPT 1/2 in	210675SP	**2**																					
		•	*Hygienic Cable Gland, 7...9 mm*	ASM216275	*3*																					
		•	*M12 Connector (instead of cable gland, for Modbus/BACnet communication only)*		*4*																					
accessory	15 Probe Connection Cables		**No Connection Cables**		**0**																					
		•	*1x 1.2 m Cable M8-4M – M8-4F*	284313	*A*																					
		•	*2x 1.2 m Cable M8-4M – M8-4F*	284313	*B*																					
		•	*1x 3 m Cable M8-4M – M8-4F*	284310	*C*																					
		•	*2x 3 m Cable M8-4M – M8-4F*	284310	*D*																					
		•	*1x 5 m Cable M8-4M – M8-4F*	284311	*E*																					
		•	*2x 5 m Cable M8-4M – M8-4F*	284311	*F*																					
		•	*1x 10 m Cable M8-4M – M8-4F*	284312	*G*																					
		•	*2x 10 m Cable M8-4M – M8-4F*	284312	*H*																					
		•	*1x 20 m Cable M8-4M – M8-4F*	284630	*J*																					
		•	*2x 20 m Cable M8-4M – M8-4F*	284630	*K*																					
		•	*1x 1.2 m Cable M8-4M – M12-F* [7]	279222SP	*L*																					
		•	*2x 1.2 m (M8 + M12) Cable, M8-4M - M8-4F and M8-4M - M12-F* [7]	284313 + 279222SP	*M*																					
		•	*1x 3 m flat Cable M8-4M – M8-4F*	CBL211292SP	*T*																					
		•	*2x 3 m flat Cable M8-4M – M8-4F*	CBL211292SP	*U*																					
		•	*1x 3 m flat Cable M8-4M – M12-F* [7]	CBL211291SP	*V*																					
	16 Transmitter Accessories		**No Accessories**		**0**																					
		•	*Installation Plate*	ASM216493SP	*1*																					
		•	*Magnetic Bracket for Origo10*	ASM215638SP	*2*																					
		•	*Din Rail Bracket*	284769SP	*3*																					
		•	*Magnetic Bracket for XMP10*	ASM213382SP	*4*																					
		•	*Magnetic Brackets for Origo10 and for XMP10*	ASM215638SP + ASM213382SP	*5*																					
		•	*Wall Mounting Bracket for XMP10 (Metal)*	225501SP	*6*																					
hardware	17 Certificates and Guides		**Electronic Certificate, no printed Quick Guide**		**0**																					
			Paper Certificate, no printed Quick Guide		**1**																					
		•	*Paper Certificate, Quick Guide*		*2*																					
		•	*Electronic Certificate, Quick Guide*		*3*																					
	18 Identity		**Vaisala**		**V**																					
	19 Reserved 1		**Reserved**		**N**																					
	20 Reserved 2		**Reserved**		**N**																					
	21 Custom Analog Output Scales		**Standard Scales Selected for Analog Outputs**		**N**																					
		•	*Custom Scales Selected for Analog Outputs* [8]		*X*																					

[1] Probe selection must be XMP10. This option does not support HMP110, HMP113, HMP60, HMP63, TMP115, GMP251, GMP252, or DMT143.
[2] Only available with 3-Wire Transmitter option (Origo10A).
[3] Footnote reserved for future use.
[4] When DMT143 is selected, Origo10 does not support the use of a Probe B.
[5] Includes probe and an M8-4M – 2x M8-4F splitter cable (P/N 284332).
[6] Td is a special option only available from the DMT143. For all RH+T probes and the DMT143, the recommended parameter for dew point temperature is Tdf, which uses a dew point calculation for dew point conditions over 0 °C and a frost point calculation for dew point conditions under 0 °C.
[7] An M8-4M – M12-5F cable is used to connect the GMP251 or GMP252 to the Origo10.
[8] Indicates that custom scaling ranges will be used for one or more analog output channels, instead of the default ranges shown in the Analog Output and Display Parameter 1-3 selections.

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

Links:
Origo Configurator tool
User guide
Datasheet
Technical drawing
Vaisala.com product page
Services (online store)

Example of order code with typical settings for 2-Wire Transmitter version (Origo10L):

ORIGO10	1 L	2 W	3 D	4 1	5 2	6 J	7 0	8 0	9 0	10 A	11 J	12 0	13 0	14 1	15 0	16 0	17 0	18 V	19 N	20 N	21

Example of order code with typical settings for 3-Wire Transmitter version (Origo10A):

ORIGO10	1 A	2 W	3 D	4 1	5 F	6 J	7 0	8 0	9 0	10 A	11 J	12 C	13 0	14 1	15 0	16 0	17 0	18 V	19 N	20 N	21

Example of order code with 2 probes (Origo10A):

ORIGO10	1 A	2 C	3 D	4 1	5 D	6 B	7 2	8 0	9 0	10 A	11 H	12 1	13 5	14 1	15 F	16 0	17 0	18 V	19 N	20 N	21

Related Items

	Part Number
Adapter Plate (Installation Plate)	ASM216493SP
DIN Rail Adapter	284769SP
Magnetic Bracket	ASM215638SP
Cable Gland, M16x1.5, 4.0...11.0 mm	284773SP
Conduit Fitting NPT 1/2 in	210675SP
Cable Gland, hygienic for cleanrooms, M16x1.5, 7.0...9.0 mm	ASM216275
Plug for Unused Lead-Throughs	ASM216492SP
Duct Fastening Flange	ASM210771SP
Transmitter Cover, with display window	DRW261413SP
Transmitter Cover, no display window	DRW261414SP
Display Panel	ASM216491SP
Splitter Cable, M8-4M – 2x M8-4F, 0.2 m	284332
Probe Connection Cable, M8-4M – M8-4F, 1.2 m	284313
Probe Connection Cable, M8-4M – M8-4F, 3 m	284310
Probe Connection Cable, M8-4M – M8-4F, 5 m	284311
Probe Connection Cable, M8-4M – M8-4F, 10 m	284312
Probe Connection Cable, M8-4M – M8-4F, 20 m	284630
Flat Probe Connection Cable, M8-4M – M8-4F, 3 m	CBL211292SP
High-temperature Probe Connection Cable, M8-4M – M8-4F, 1 m	271039SP
Plenum-Rated Probe Connection Cable, M8-4M – M8-4F, 5 m	HMT120Z500CMP
Plenum-Rated Probe Connection Cable, M8-4M – M8-4F, 10 m	HMT120Z1000CMP
Plenum-Rated Probe Connection Cable, M8-4M – M8-4F, 20 m	HMT120Z2000CMP
Probe Connection Cable, M8-4M – M12-5F, 1.2 m	279222SP
Flat Probe Connection Cable, M8-4M – M12-5F, 3 m	CBL211291SP
Duct Installation Assembly for XMP10	ASM216258SP
Radiation Shield with Installation Kit for HMP60, HMP110, HMP110T	DTR504A
Probe Mounting Clamp (Metal) for 12 mm Probe	225501SP
Probe Mounting Clamps (Metal) for 12 mm Probe (10 pcs.)	225067SP
Magnetic Probe Holders (Plastic) for 12 mm Probe (5 pcs.)	ASM213382SP
Probe Mounting Flange for 12 mm Probe	226061
Probe Mounting Flange for GMP251 or GMP252	243261SP
Probe Holder Assembly for GMP251 or GMP252	ASM213582
Radiation Shield with Installation Kit for GMP252	DTR250A
Probe Mounting Kit for GMP251, 12 mm Probe, and TMP115	ASM214253SP
Wall Mounting Bracket for DMT143	ASM216087SP