

Hygro Transducer, Hygrothermal Transducer, and CO2 Measuring Probe for Facility Management and Climate Monitoring (907021)

For measuring relative humidity, temperature, and fresh air quality

- Available in indoor, wall-mounted, channel, and rod versions
- For applications in facility management as well as in areas of climate and ventilation monitoring
- LCD display available as an option
- Available with current, voltage, or Modbus output as well as passive resistance output for temperature



Order details

(1) Basic type										
									907021/11	Hygro-/hygrothermal transducer, indoor model
									907021/160	Hygro-/hygrothermal transducer wall version (HKL)
									907021/161	Hygro-/hygrothermal transducer channel version (HKL)
									907021/210	Hygro-/hygrothermal transducer wall version
									907021/211	Hygro-/hygrothermal transducer channel version
									907021/60	Hygrothermal transducer rod version with 1,5 m connecting cable
									907021/71	Hygrothermal transducer rod version with M12 x 1 plug connection
									907021/80	CO2 measuring probe room version
									907021/820	CO2 measuring probe wall version
									907021/850	CO2 measuring probe channel version
									(2) Version	
X	X	X	X	X	X				2	Humidity and temperature
X	X	X							3	Humidity and temperature (passive)
								X	4	CO2 (channel 1 output)
								X	5	CO2 and temperature (channel version, only for 0 up to 10 V)
								X	6	CO2 and temperature (T passive)
									7	CO2, temperature and humidity (only for 0..10V)
									9	Humidity and temperature (digital)
									(3) Range(s)	
									10	0..100% rH/ -20..+80°C
									14	0..100% rH/ -40..+60°C
									22	0..100% rH/ -30..+70°C
									34	0..100% rH/ 0..+50°C
X	X	X	X	X				X	40	0..2000ppm/ 0..50°C/ 0..100% rH
								X	41	0..5000ppm/ 0..50°C/ 0..100% rH
								X	42	0..10000ppm/ 0..50°C/ 0..100% rH
									90	Output digital
									(4) Output	
X	X	X	X	X				X	005	4 to 20 mA / 4 to 20 mA
X	X	X							006	4 to 20 mA / temperature passive Pt100 class A
X	X	X						X	007	4 to 20 mA / temperature passive Pt1000 class A
									051	0 to 1 V / 0 to 1 V
X	X	X	X	X	X			X	065	0 to 10 V / 0 to 10 V / (0 to 10 V)
X	X	X							066	0 to 10 V / temperature passive Pt100 class A
X	X	X						X	067	0 to 10 V / temperature passive Pt1000 class A
									530	RS485 Modbus
									(5) Extra codes	
X	X	X	X	X	X	X	X	X	000	Without extra code
X									793	Integrated LC-display (for humidity and temperature, alternating indication)
X									794	Integrated LC-display (as above, but temperature in °F)
									847	Longer connecting cable - length 3m

Order code

(1)	(2)	(3)	(4)	(5)
	-	-	-	/

Quantity discount:

As of 5 pieces: 5 %

As of 10 pieces: 10 %

As of 25 pieces: please inquire

Important information:

Please note the humidity working range and the admissible ambient temperature (see "Technical data" in data sheet 907021). A second or a third output is only available in multichannel devices and is not always possible with all device combinations.


Stock versions

Order code	Part no.
907021/11-2-34-005/000	00436298
907021/11-2-34-005/793,	00441452
907021/160-2-34-005/000	00630604
907021/161-2-34-005/000	00630609
907021/210-2-10-005/000	00630616
907021/210-2-14-005/000	00630624
907021/210-2-14-005/793,	00630630
907021/211-2-10-005/000	00630646
907021/211-2-14-005/000	00630790
907021/60-2-14-051/000	00630791
907021/80-5-40-005/000	00578092
907021/820-4-41-005/000	00630792
907021/850-4-40-005/000	00630796

Accessories

Description	Part no.
Humidity sensorcheck: 33%rF Feuchte 90.7020 907020 907020/93 907020/93-820 90.7021 907021 907021/93 907021/93-820 90.7022 907022 907022/93 907022/93-820 90.7023 907023 907023/93 907023/93-820 90.7031 907031 907031/93 907031/93-820 90.7032 907032	00332758
Humidity sensorcheck: 53%rF Feuchte 90.7020 907020 907020/93 907020/93-821 90.7021 907021 907021/93 907021/93-821 90.7022 907022 907022/93 907022/93-821 90.7023 907023 907023/93 907023/93-821 90.7031 907031 907031/93 907031/93-821 90.7032 907032 Galltec	00332759
Humidity sensorcheck: 76%rF Feuchte 90.7020 907020 907020/93 907020/93-822 90.7021 907021 907021/93 907021/93-822 90.7022 907022 907022/93 907022/93-822 90.7023 907023 907023/93 907023/93-822 90.7031 907031 907031/93 907031/93-822 90.7032 907032	00332760
Membrane filter "HA010101" 90.7021 2026-09-12	00388181

