

Hygro and Hygrothermal Transducers (Capacitive) for Air Conditioning Applications (907020)

For measuring relative air humidity and temperature

- For versatile air conditioning and ventilation applications
- Available in the indoor, wall-mounted, and duct version
- Compact rod versions with connecting cable or robust terminal head
- With current and voltage outputs as well as passive temperature output
- Indoor and wall-mounted version can be delivered with two-line LCD display



Order details

(1) Basic type					
				907020/11	Hygro-/hygrothermo transducer room version (new)
				907020/20	Hygro-/hygrothermo transducer wall mount version (new)
				907020/30	Hygro-/hygrothermo transducer duct version
				907020/40	Hygro-/hygrothermo transducer rod version with 1,5m connecting cable
				907020/41	Hygro-/hygrothermo transducer rod version with J-shaped terminal head
(2) Version					
X	X	X	X	X	1 Humidity (channel 1 output)
X	X	X	X	X	2 Humidity and temperature
			X	X	3 Humidity and temperature (passive)
(3) Range(s)					
X	X	X	X	X	00 0..100% rH/ (humidity only)
			X		10 0..100% rH/ -20..+80°C
		X			21 0..100% rH/ -30..+60°C
X	X		X	X	22 0..100% rH/ -30..+70°C
X	X	X			34 0..100% rH/ 0..+50°C
X	X	X			36 0..100% rH/ 0..+100°C
(4) Output					
X	X	X	X	X	005 4 to 20 mA / 4 to 20 mA
			X	X	006 4 to 20 mA / Pt100 (passive)
X	X		X	X	051 0 to 1 V / 0 to 1 V
			X	X	052 0 to 1 V / Pt100 (passive)
X	X	X	X	X	065 0 to 10 V / 0 to 10 V
			X	X	066 0 to 10 V / Pt100 (passive)
(5) Extra codes					
X	X	X	X	X	000 Without extra code
X	X				793 With integrated digital display, 2-line
		X			819 Version with coupling plug (without connecting cable)

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:

Refer to data sheet 707500 for suitable power supply units for the hygro transducers / hygrothermal transducers.

Recommended power supply units: type TN-22/02, 055 (1-channel) and TN-67/02, 055 (4-channel).

Please note the humidity working range and the admissible ambient temperature (see "Technical data" in data sheet 907020). A second output is only available with combination devices (humidity and temperature).

Stock versions

Order code	Part no.
907020/11-2-34-005/000	00609648
907020/30-2-21-005/000	00332698
907020/30-2-34-005/000	00315106
907020/30-2-36-005/000	00332700
907020/40-1-00-005/000	00403753
907020/40-2-22-005/000	00403754
907020/41-1-00-005/000	00473743
907020/41-2-22-005/000	00473745

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
Stainless steel sinter filter "ZE21" (90 907020/90-803 2026-09-12	00352114

