

						
	testo 174T	testo 174H	testo 175 T1	testo 175 T2	testo 175 T3	testo 175 H1
Housing	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Colour	white	black	white / metal	white / metal	black / metal	black / metal
EN 12830 approval	yes	no	yes	yes	no	no
Sensor	NTC	NTC / capacitive humidity sensor	NTC	NTC	TC (Type T, Type K)	NTC / capacitive humidity sensor
Channels	1 x internal	2 x internal	1 x internal	1 x internal 1 x external	2 x external	2 x internal (stump)
Measurement units	°C, °F	°C, °F, %rF, %RH	°C, °F	°C, °F	°C, °F	°C, °F °Ctd, g/m ³ %rF, %RH
Measuring range	-30 ... +70 °C	-20 ... +70 °C 0 ... 100 %RH	-35 ... +55 °C	-35 ... +55 °C (internal)	-50 ... +400 °C (Type T) -50 ... +1,000 °C (Type K)	-20 ... +55°C, -40 ... +50°Ctd 0 ... 100 %RH
Accuracy ± 1 Digit	± 0.5 °C (-30 ... +70 °C)	± 0.5 °C (-20 ... +70 °C) ± 3%RH (2%...98%RH) +0.03%RH/K	± 0.5 °C (-35 ... +55 °C)	± 0.5 °C (-35 ... +55 °C internal) ± 0.3 (-40 ... +120 °C external)	± 0.5 °C (-50 ... +70 °C) ± 0.7% of MV (rem.MRange)	±0.4 °C (-20 ... +50 °C) ±2 %RH (2 ... 98 %RH), +0.03%RH/K
Resolution	0.1 °C	0.1 °C 0.1 %RH	0.1 °C	0.1 °C	0.1 °C	0.1 °C 0.1 %RH
Operating temperature	-30 ... +70 °C	-20 ... +70 °C	-35 ... +55 °C	-35 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C
Storage temperature	-40 ... +70 °C	-40 ... +70 °C	-35 ... +55 °C	-35 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C
Battery life (at 25°C)	500 days at 15 min. meas. rate	1 years at 15 min. meas. rate	3 years at 15 min. meas. rate	3 years at 15 min. meas. rate	3 years at 15 min. meas. rate	3 years at 15 min. meas. rate
Battery type	2 x CR 2032 Lithium	2 x CR 2032 Lithium	3 x AIMn Type AAA or Energizer	3 x AIMn Type AAA or Energizer	3 x AIMn Type AAA or Energizer	3 x AIMn AAA type or Energizer
Measuring cycle	1 min - 24 h	1 min - 24 h	10 sec - 24 h	10 sec - 24 h	10 sec - 24 h	10 sec - 24 h
Memory [meas.val.]	16.000	16.000	1,000,000	1,000,000	1,000,000	1,000,000
Protection class	IP 65	IP 20	IP 65	IP 65	IP 65	IP 54
Interface	Testo-specific interface	Testo-specific interface	Mini-USB, SD-Card slot	Mini-USB, SD-Card slot	Mini-USB, SD-Card slot	Mini-USB, SD-Card slot
Dimension	60 x 38 x 18,5 mm	60 x 38 x 18,5 mm	89 x 53 x 27 mm	89 x 53 x 27 mm	89 x 53 x 27 mm	89 x 53 x 27 mm
Weight	35 g	35 g	130 g	130 g	130 g	130 g
Order No.	0572 1560	0572 6560	0572 1751	0572 1752	0572 1753	0572 1754




Esis Pty Ltd
www.esis.com.au
 02 9481 7420






www.esis.com.au
 Ph 02 9481 7420
 Fax 02 9481 7267
esis.enq@esis.com.au

						
testo 176 T1	testo 176 T2	testo 176 T3	testo 176 T4	testo 176 H1	testo 176 H2	testo 176 P1
Metal	Plastic	Metal	Plastic	Plastic	Metal	Plastic
metal	white / metal	metal	black / metal	black / metal	metal	black / metal
yes	yes	no	no	no	no	no
Pt100 Class A	Pt100 Class A	TC (Type T, Type K, Type J)	TC (Type T, Type K, Type J)	NTC / capacitive humidity sensor	NTC / capacitive humidity sensor	NTC / capacit. humidity / absolute pressure sensor
1 x internal	2 x external	4 x external	4 x external	4 x external	4 x external	1 x internal 4 x external
°C, °F	°C, °F	°C, °F	°C, °F	°C, °F °Ctd, g/m ³ %rF, %RH	°C, °F °Ctd, g/m ³ %rF, %RH	°C, °F °Ctd, g/m ³ %rF, %RH hPa, mbar
-35 ... +70 °C	-50 ... +400 °C	-200 ... +400 °C (Type T), -195 ... +1,000 °C (K), -100 ... +750 °C (J)	-200 ... +400 °C (Type T), -195 ... +1,000 °C (K), -100 ... +750 °C (J)	-20 ... +70°C, -40 ... +70°Ctd 0 ... 100 %RH	-20...+70°C, -40...+70 °Ctd 0 ... 100 %RH	-20...+70°C, -40...+70°Ctd 0...100%RH,
± 0.2 °C (-35 ... 70°C)	± 0.2 (-50 ... 200°C) ± 0.3 (200.1 ... 400°C)	±1%ofMV (-200...-100.1°C), ±0.3°C (-100...+70°C), ±0.5%ofMV (rem.)	±1%ofMV (-200...-100.1°C), ±0.3°C (-100...+70°C), ±0.5%ofMV (rem.)	± 0.2 °C (-20 ... 70 °C) %RH and °Ctd: see probe	± 0.2 °C (-20 ... 70 °C) %rF and °Ctd: see probe	± 0.2 °C (-20 ... +70 °C) ± 3 mbar (0 ... 50 °C)
0.01 °C	0.01 °C	0.1 °C	0.1 °C	0.1 °C 0.1 %RH	0.1 °C 0.1 °Ctd 0.1 %RH	0.1 °C 0.1 °Ctd 0.1 %RH 1 mbar
-35 ... +70 °C	-20 ... +70 °C	-20 ... +70 °C	-20 ... +70 °C	-20 ... +70 °C	-20 ... +70 °C	-20 ... +70 °C
-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
8 years at 15 min. meas. rate	8 years at 15 min. meas. rate	8 years at 15 min. meas. rate	8 years at 15 min. meas. rate	8 years at 15 min. meas. rate	8 years at 15 min. meas. rate	8 years at 15 min. meas. rate
1 x Lithium (TLH 5903)	1 x Lithium (TLH 5903)	1 x Lithium (TLH 5903)	1 x Lithium (TLH 5903)	1 x Lithium (TLH 5903)	1 x Lithium (TLH 5903)	1 x Lithium (TLH 5903)
1 sec - 24 h	1 sec - 24 h	1 sec - 24 h	1 sec - 24 h	1 sec - 24 h	1 sec - 24 h	1 sec - 24 h
2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
IP 68	IP 65	IP 65	IP 65	IP 65	IP 65	IP 54
Mini-USB, SD-Card slot	Mini-USB, SD-Card slot	Mini-USB, SD-Card slot	Mini-USB, SD-Card slot	Mini-USB, SD-Card slot	Mini-USB, SD-Card slot	Mini-USB, SD-Card slot
103 x 63 x 33 mm	103 x 63 x 33 mm	103 x 63 x 33 mm	103 x 63 x 33 mm	103 x 63 x 33 mm	103 x 63 x 33 mm	103 x 63 x 33 mm
500 g	300 g	500 g	300 g	300 g	500 g	300 g
0572 1761	0572 1762	0572 1763	0572 1764	0572 1765	0572 1766	0572 1767





Technical Data testo 174T and predecessors

	New Logger model	Predecessors	
			
	testo 174T	testo 174	testo 175-T1
Sensor	NTC	NTC	NTC
Channels	1 x internal	1 x internal	1 x internal
Measurement units	°C, °F	°C, °F	°C, °F
Measuring range	-30 ... +70 °C	-30 ... +70 °C	-35 ... +70 °C
Accuracy ± 1 Digit	± 0.5 °C (-30 ... +70 °C)	± 0.5 °C (-20 ... +39.9 °C) ±0.8 °C rem. MRange	± 0.5 °C (-20 ... +70 °C) ± 1.0 °C (-35 ... -20.1 °C)
Resolution	0.1 °C	0.1 °C	0.1 °C (-20 ... +70 °C) 0.3 °C (-35 ... -20.1 °C)
Operating temperature	-30 ... +70 °C	-30 ... +70 °C	-35 ... +70 °C
Storage temperature	-40 ... +70 °C	-40 ... +70 °C	-40 ... +85 °C
Battery life (at 25°C)	500 days at 15 min. meas. rate	500 days at 15 min. meas. rate	2.5 years at 15 min. meas. rate
Battery type	2 x CR 2032 Lithium	1 x CR 2032 Lithium	1 x Special testo Lithium Battery
Measuring cycle	1 min - 24 h	1 min - 4 h	10 sec - 24 h
Memory [meas.val.]	16.000	3.900	7.800
Protection class	IP 65	IP 65	IP 68
Price	\$112	\$139	\$280
Order No.	0572 1560	0563 1741	0563 1754




Technical Data testo 174H and predecessors

	New Logger model	Predecessors	
			
	testo 174H	testo 175-H1	testo 175-H2
Sensor	NTC / capacitive humidity sensor	NTC / capacitive humidity sensor	NTC / capacitive humidity sensor
Channels	2 x internal	2 x internal	2 x internal
Measurement units	°C, °F, %rF, %RH	°C, °F, %rF, %RH	°C, °F, %rF, %RH
Measuring range	-20 ... +70 °C 0 ... 100 %RH	-10 ... +50 °C 0 ... 100 %RH	-20 ... +70 °C 0 ... 100 %RH
Accuracy ± 1 Digit	± 0.5 °C (-20 ... +70 °C) ± 3%RH (2%...98%RH) +0.03%RH/K	± 0.5 °C ± 3%RH	± 0.5 °C ± 3%RH
Resolution	0.1 °C 0.1 %RH	0.1 °C 0.1 %RH	0.1 °C 0.1 %RH
Operating temperature	-20 ... +70 °C	-10 ... +50 °C	-20 ... +70 °C
Storage temperature	-40 ... +70 °C	-40 ... +70 °C	-40 ... +85 °C
Battery life (at 25°C)	1 years at 15 min. meas. rate	>2.5 years at 15 min. meas. rate	>2.5 years at 15 min. meas. rate
Battery type	2 x CR 2032 Lithium	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery
Measuring cycle	1 min - 24 h	10 sec - 24 h	10 sec - 24 h
Memory [meas.val.]	16.000	3.700	16.000
Protection class	IP 20	n/a	n/a
Price	\$218	\$424	\$552
Order No.	0572 6560	0563 1757	0563 1758



Technical Data testo 175 T1 and predecessors

	New Logger model	Predecessors		
				
	testo 175 T1	testo 175-T1	testo 177-T1	testo 177-T2
Sensor	NTC	NTC	NTC	NTC
Channels	1 x internal	1 x internal	1 x internal	1 x internal
Measurement units	°C, °F	°C, °F	°C, °F	°C, °F
Measuring range	-35 ... +55 °C	-35 ... +70 °C	-40 ... +70 °C	-40 ... +70 °C
Accuracy ± 1 Digit	± 0.5 °C (-35 ... +55 °C)	± 0.5 °C (-20 ... +70 °C) ± 1 °C (-35 ... -20.1 °C)	± 0.4 °C (-25 ... +70 °C) ± 0.8 °C (-40 ... -25.1 °C)	± 0.4 °C (-25 ... +70 °C) ± 0.8 °C (-40 ... -25.1 °C)
Resolution	0.1 °C	0.1 °C (-20 ... +70 °C) 0.3 °C (-35 ... -20.1 °C)	0.1 °C	0.1 °C
Operating temperature	-35 ... +55 °C	-35 ... +70 °C	-40 ... +70 °C	-40 ... +70 °C
Storage temperature	-35 ... +55 °C	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
Battery life (at 25°C)	3 years at 15 min. meas. rate	2.5 years at 15 min. meas. rate	5 years at 15 min. meas. rate	5 years at 15 min. meas. rate
Battery type	3 x AIMn Type AAA or Energizer	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery
Measuring cycle	10 sec - 24 h	10 sec - 24 h	2 sec - 24 h	2 sec - 24 h
Memory [meas.val.]	1,000,000	7.800	48.000	48.000
Protection class	IP 65	IP 68	IP 68	IP 68
Price	\$311	\$280	\$474	\$707
Order No.	0572 1751	0563 1754	0563 1771	0563 1772





Technical Data testo 175 T2 and predecessors

	New Logger model	Predecessors	
			
	testo 175 T2	testo 175-T2	testo 177-T3
Sensor	NTC	NTC	NTC
Channels	1 x internal 1 x external	1 x internal 1 x external	1 x internal 2 x external
Measurement units	°C, °F	°C, °F	°C, °F
Measuring range	-35 ... +55 °C (internal)	-35 ... +70 °C (internal)	-40 ... +70 °C (internal)
Accuracy ± 1 Digit	± 0.5 °C (-35 ... +55 °C internal) ± 0.3 (-40 ... +120 °C external)	± 0.5 °C (-20 ... +70 °C)* ± 1.0 °C (rem. meas.range)*	± 0.4 °C (-25 ... +70 °C)* ± 0.8 °C (-40 ... -25,1 °C)*
Resolution	0.1 °C	0.1 °C (-20 ... +70 °C) 0.3 °C (rem. meas.range)	0.1 °C (-20 ... +70 °C) 0.3 °C (rem. meas.range)
Operating temperature	-35 ... +55 °C	-35 ... +70 °C	-40 ... +70 °C
Storage temperature	-35 ... +55 °C	-40 ... +85 °C	-40 ... +85 °C
Battery life (at 25°C)	3 years at 15 min. meas. rate	2.5 years at 15 min. meas. rate	5 years at 15 min. meas. rate
Battery type	3 x AIMn Type AAA or Energizer	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery
Measuring cycle	10 sec - 24 h	10 sec - 24 h	2 sec - 24 h
Memory [meas.val.]	1,000,000	16.000	48.000
Protection class	IP 65	IP 68	IP 67
Price	\$395	\$353	\$793
Order No.	0572 1752	0563 1755	0563 1773





Technical Data testo 175 T3 and predecessors

	New Logger model	Predecessors
		
	testo 175 T3	testo 175-T3
Sensor	TC (Type T, Type K)	TC (Type T, Type K)
Channels	2 x external	2 x external
Measurement units	°C, °F	°C, °F
Measuring range	-50 ... +400 °C (Type T) -50 ... +1,000 °C (Type K)	-50 ... +400 °C (Type T) -50 ... +1,000 °C (Type K)
Accuracy ± 1 Digit	± 0.5 °C (-50 ... +70 °C) ± 0.7% of MV (rem.MRange)	± 0.5 °C (-50 ... +70 °C) ± 0.7% of MV (rem.MRange)
Resolution	0.1 °C	0.1 °C
Operating temperature	-20 ... +55 °C	0 ... +70 °C
Storage temperature	-20 ... +55 °C	-40 ... +85 °C
Battery life (at 25°C)	3 years at 15 min. meas. rate	2.5 years at 15 min. meas. rate
Battery type	3 x AIMn Type AAA or Energizer	1 x Special testo Lithium Battery
Measuring cycle	10 sec - 24 h	10 sec - 24 h
Memory [meas.val.]	1,000,000	16.000
Protection class	IP 65	IP 54
Price	\$458	\$474
Order No.	0572 1753	0563 1756




Technical Data testo 175 H1 and predecessors

	New Logger model	Predecessors		
				
	testo 175 H1	testo 175-H1	testo 175-H2	testo 177-H1
Sensor	NTC / capacitive humidity sensor	NTC / capacitive humidity sensor	NTC / capacitive humidity sensor	NTC / capacitive humidity sensor
Channels	2 x internal (stump)	2 x intern	2 x intern	je 1 x intern (°C) (°Ctd) 2 x extern (°C, %rF)
Measurement units	°C, °F °Ctd, g/m³ %rF, %RH	°C, °F %rF, %RH	°C, °F %rF, %RH	°C, °F %rF, %RH
Measuring range	-20 ... +55°C, -40 ... +50°Ctd 0 ... 100 %RH	-10 ... +50 °C 0 ... 100%RH	-20 ... +70 °C 0 ... 100 %RH	-20 ... +70 °C (int), -40 ... +120 °C (ext), 0 ... 100 %RH
Accuracy ± 1 Digit	±0.4 °C (-20 ... +50 °C) ±2 %RH (2 ... 98 %RH), +0.03%RH/K	± 0.5 °C ± 3 %RH	± 0.5 °C ± 3 %RH	± 0.5 °C (-20 ... +70 °C int) ± 3%RH (2...98%RH), +2 %RH/K
Resolution	0.1 °C 0.1 %RH	0.1 °C 0.1 %RH	0.1 °C 0.1 %RH	0.1 °C 0.1 %RH
Operating temperature	-20 ... +55 °C	-10 ... +50 °C	-20 ... +70 °C	-20 ... +70 °C
Storage temperature	-20 ... +55 °C	-40 ... +70 °C	-40 ... +85 °C	-40 ... +85 °C
Battery life (at 25°C)	3 years at 15 min. meas. rate	2.5 years at 15 min. meas. rate	2.5 years at 15 min. meas. rate	5 years at 15 min. meas. rate
Battery type	3 x AIMn AAA type or Energizer	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery
Measuring cycle	10 sec - 24 h	10 sec - 24 h	10 sec - 24 h	2 sec - 24 h
Memory [meas.val.]	1,000,000	3.700	16.000	48.000
Protection class	IP 54	n/a	n/a	IP 54
Price	\$636	\$424	\$552	\$886
Order No.	0572 1754	0563 1757	0563 1758	0563 1775




Technical Data testo 176 T1 and predecessors

	New Logger model	Predecessors		
				
	testo 176 T1	testo 177-T1	testo 177-T2	testostor 171-0
Sensor	Pt100 Class A	NTC	NTC	NTC
Channels	1 x internal	1 x internal	1 x internal	1 x internal
Measurement units	°C, °F	°C, °F	°C, °F	°C, °F
Measuring range	-35 ... +70 °C	-40 ... +70 °C	-40 ... +70 °C	-35 ... +70 °C
Accuracy ± 1 Digit	± 0.2 °C (-35 ... 70°C)	± 0.4 °C (-25 ... +70 °C)	± 0.4 °C (-25 ... +70 °C)	± 0.5 °C (-35 ... +39.9 °C) ± 0.6°C (+40 ... +70 °C)
Resolution	0.01 °C	0.1 °C	0.1 °C	0.1 °C
Operating temperature	-35 ... +70 °C	-40 ... +70 °C	-40 ... +70 °C	-35 ... +70 °C
Storage temperature	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
Battery life (at 25°C)	8 years at 15 min. meas. rate	5 years at 15 min. meas. rate	5 years at 15 min. meas. rate	5 years at 15 min. meas. rate
Battery type	1 x Lithium (TLH 5903)	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery
Measuring cycle	1 sec - 24 h	2 sec - 24 h	2 sec - 24 h	2 sec - 24 h
Memory [meas.val.]	2,000,000	48.000	48.000	55.000
Protection class	IP 68	IP 68	IP 68	IP 68
Price	\$814	\$474	\$707	\$1,346
Order No.	0572 1761	0563 1771	0563 1772	0577 1719

Technical Data testo 176 T2 and predecessors

	New Logger model	Predecessors	
			
	testo 176 T2	testo 177-T3	testostor 171-4
Sensor	Pt100 Class A	NTC	NTC
Channels	2 x external	1 x internal 2 x external	4 x external
Measurement units	°C, °F	°C, °F	°C, °F
Measuring range	-50 ... +400 °C	-40 ... +70 °C (interna) -40 ... +120 °C (external)	-50 ... +120 °C (external)
Accuracy ± 1 Digit	± 0.2 (-50 ... 200°C) ± 0.3 (200.1 ... 400°C)	± 0.4 °C (-25 ... +70 °C) ± 0.8°C (-40 ... -25.1 °C)	± 0.2°C (-34.9 ... +39.9 °C) ± 0.4°C (+40 ... +120 °C)
Resolution	0.01 °C	0.1 °C (-20 ... +70 °C) 0.3 °C rem. Meas.Range	0.1 °C
Operating temperature	-20 ... +70 °C	-40 ... +70 °C	-35 ... +70 °C
Storage temperature	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
Battery life (at 25°C)	8 years at 15 min. meas. rate	5 years at 15 min. meas. rate	5 years at 15 min. meas. rate
Battery type	1 x Lithium (TLH 5903)	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery
Measuring cycle	1 sec - 24 h	2 sec - 24 h	2 sec - 24 h
Memory [meas.val.]	2,000,000	48.000	55.000
Protection class	IP 65	IP 67	IP 65
Price	\$827	\$793	\$2,734
Order No.	0572 1762	0563 1773	0577 1714



Technical Data testo 176 T3 and predecessors

	New Logger model	Predecessors	
			
	testo 176 T3	testo 177-T4	testostor 171-B
Sensor	TC (Type T, Type K, Type J)	TC (Type T, Type K, Type J)	TC (Type T, Type K)
Channels	4 x external	4 x external	4 x external
Measurement units	°C, °F	°C, °F	°C, °F
Measuring range	-200 ... +400 °C (Type T), -195 ... +1,000 °C (Type K), -100 ... +750 °C (Type J)		-50 ... +350 °C (Type T) -50 ... +1,000 °C (Type K)
Accuracy ± 1 Digit	± 1 % ofMValue (-200 ... -100.1 °C), ± 0.3 °C (-100 ... +70 °C), ± 0.5 % ofMValue (remaining Measuring Range)		± (0.4 °C ± 0.2 % ofMValue)
Resolution	0.1 °C	0.1 °C	0.1 °C (-200 ... +249.9 °C) 1 °C (+250 ... 1,000 °C)
Operating temperature	-20 ... +70 °C	0 ... +70 °C	0 ... +70 °C
Storage temperature	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
Battery life (at 25°C)	8 years at 15 min. meas. rate	5 years at 15 min. meas. rate	5 years at 15 min. meas. rate
Battery type	1 x Lithium (TLH 5903)	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery
Measuring cycle	1 sec - 24 h	2 sec - 24 h	2 sec - 24 h
Memory [meas.val.]	2,000,000	48.000	55.000
Protection class	IP 65	IP 43	IP 68
Price	\$890	\$953	\$2,705
Order No.	0572 1763	0563 1774	0577 1718


Technical Data testo 176 T4 and predecessors

	New Logger model	Predecessors	
			
	testo 176 T4	testo 177-T4	testostor 171-B
Sensor	TC (Type T, Type K, Type J)	TC (Type T, Type K, Type J)	TC (Type T, Type K)
Channels	4 x external	4 x external	4 x external
Measurement units	°C, °F	°C, °F	°C, °F
Measuring range	-200 ... +400 °C (Type T), -195 ... +1,000 °C (Type K), -100 ... +750 °C (Type J)		-50 ... +350 °C (Type T) -50 ... +1,000 °C (Type K)
Accuracy ± 1 Digit	± 1%ofMV (-200...-100.1°C) ± 0.3°C (-100 ... +70°C), ± 0.5% ofMV (remain.MRange)	± 1,5%ofMV (-200...-100.1°C)	± (0.4 °C ± 0.2 % ofMV)
Resolution	0.1 °C	0.1 °C	0.1 °C (-200 ... +249.9 °C) 1 °C (+250 ... 1,000 °C)
Operating temperature	-20 ... +70 °C	0 ... +70 °C	0 ... +70 °C
Storage temperature	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
Battery life (at 25°C)	8 years at 15 min. meas. rate	5 years at 15 min. meas. rate	5 years at 15 min. meas. rate
Battery type	1 x Lithium (TLH 5903)	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery
Measuring cycle	1 sec - 24 h	2 sec - 24 h	2 sec - 24 h
Memory [meas.val.]	2,000,000	48.000	55.000
Protection class	IP 65	IP 43	IP 68
Price	\$839	\$953	\$2,705
Order No.	0572 1764	0563 1774	0577 1718

Technical Data testo 176 H1 and predecessors

	New Logger model	Predecessors
		
	testo 176 H1	testo 177-H1
Sensor	NTC / capacitive humidity sensor	NTC / capacitive humidity sensor
Channels	4 x external	1 x internal each (°C) (°td) 2 x external (°C, %RH)
Measurement units	°C, °F °Ctd, g/m³ %rF, %RH	°C, °F %rF, %RH
Measuring range	-20 ... +70°C, -40 ... +70°Ctd 0 ... 100 %RH	-20 ... +70 °C (int), -40 ... +120 °C (ext), 0 ... 100 %RH
Accuracy ± 1 Digit	± 0.2 °C (-20 ... 70 °C) %RH and °Ctd: see probe	± 0.5°C (-20 ... +70°C int) ± 0.2°C (ext), ±3%RH (2...98%)
Resolution	0.1 °C 0.1 %RH	0.1 °C 0.1 %RH
Operating temperature	-20 ... +70 °C	-20 ... +70 °C
Storage temperature	-40 ... +85 °C	-40 ... +70 °C
Battery life (at 25°C)	8 years at 15 min. meas. rate	5 years at 15 min. meas. rate
Battery type	1 x Lithium (TLH 5903)	1 x Special testo Lithium Battery
Measuring cycle	1 sec - 24 h	2 sec - 24 h
Memory [meas.val.]	2,000,000	48.000
Protection class	IP 65	IP 54
Price	\$1,081	\$886
Order No.	0572 1765	0563 1775

Technical Data testo 176 H2 and predecessors

	New Logger model	Predecessors		
				
	testo 176 H2	testostor 171-2	testostor 171-3	testostor 171-6
Sensor	NTC / capacitive humidity sensor	NTC / capacitive humidity sensor	NTC / capacitive humidity sensor	NTC / capacitive humidity sensor
Channels	4 x external	1 x internal	1 x internal	4 x external
Measurement units	°C, °F °Ctd, g/m³ %rF, %RH	°C, °F °Ctd, g/m³ %rF, %RH	°C, °F °Ctd, g/m³ %rF, %RH	°C, °F °Ctd, g/m³ %rF, %RH
Measuring range	-20...+70°C, -40...+70 °Ctd 0 ... 100 %RH	-20...+70°C, -20...+70°Ctd 0 ... 100 %RH	-10 ... +50 °C 0 ... 100 %RH	-50...+120°C, -40...+70°Ctd 0 ... 100 %RH
Accuracy ± 1 Digit	± 0.2 °C (-20 ... 70 °C) %rF and °Ctd: see probe	± 0.4°C (-10...+50°C), ± 0.5°C (rem.), ± 2%RH (2...+98%RH)	±0.5°C (-10...+39.9°C), ±0.6°C (rem.), ±3%RH (2...+98%RH)	±0.4°C (-10 ... +50°C), ±0.6°C (rem.), ±2%RH (2 ... 98%RH)
Resolution	0.1 °C 0.1 %°Ctd 0.1 %RH	0.1 °C 0.1 %°Ctd 0.1 %RH	0.1 °C 0.1 %°Ctd 0.1 %RH	0.1 °C 0.1 %°Ctd 0.1 %RH
Operating temperature	-20 ... +70 °C	-20 ... +70 °C	-20 ... +70 °C	-20 ... +70 °C
Storage temperature	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
Battery life (at 25°C)	8 years at 15 min. meas. rate	5 Jyears at 15 min. meas. rate	5 years at 15 min. meas. rate	5 years at 15 min. meas. rate
Battery type	1 x Lithium (TLH 5903)	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery	1 x Special testo Lithium Battery
Measuring cycle	1 sec - 24 h	2 sec - 24 h	2 sec - 24 h	2 sec - 24 h
Memory [meas.val.]	2,000,000	20.000	55.000	55.000
Protection class	IP 65	IP 65	IP 65	IP 65
Price	\$1,208	\$3,290	\$1,752	\$2,793
Order No.	0572 1766	0577 1712	0577 1713	0577 1716

Technical Data

testo 176 P1

New Logger model



No predecessors!

testo 176 P1

Sensor	NTC / capacit. humidity / absolute pressure sensor
Channels	1 x internal 4 x external
Measurement units	°C, °F °Ctd, g/m ³ %rF, %RH hPa, mbar
Measuring range	-20...+70°C, -40...+70°Ctd 0...100%RH, 600...1,100mbar
Accuracy ± 1 Digit	± 0.2 °C (-20 ... +70 °C) ± 3 mbar (0 ... 50 °C)
Resolution	0.1 °C 0.1 °Ctd 0.1 %RH 1 mbar
Operating temperature	-20 ... +70 °C
Storage temperature	-40 ... +85 °C
Battery life (at 25°C)	8 years at 15 min. meas. rate
Battery type	1 x Lithium (TLH 5903)
Measuring cycle	1 sec - 24 h
Memory [meas.val.]	2,000,000
Protection class	IP 54
Price	\$1,360
Order No.	0572 1767

	ESIS Industrial Electronics	www.esis.com.au Ph 02 9481 7420 Fax 02 9481 7267 esis.enq@esis.com.au
--	---------------------------------------	---