



# Electronic manifolds with 2 temperature probe sockets

- External memory chip
- 2 temperature sockets
- 2 pressure sockets
- 35 refrigerants
- 3-way valve battery
- Internal memory



### testo 556-1

testo 556-1, Electronic manifold with 2 temperature probe sockets, brass valve block, incl. battery

Part no. 0560 5561

testo 556, the electronic manifold with 3-way valve bank and 2 pressure sensors, calculates superheating or subcooling in a refrigeration unit or heat pump via externally connected probes. The flow paths of a system can be temporarily changed with the 3-way valve battery.

All of the current data in the unit can be documented thanks to the external memory chip (optional)

- **Direct conversion of pressure values into temperature values (condensation, vaporisation temperature)**
- **Temperature probe can be connected externally**
- **Leaking test with logging and view of data in instrument display**

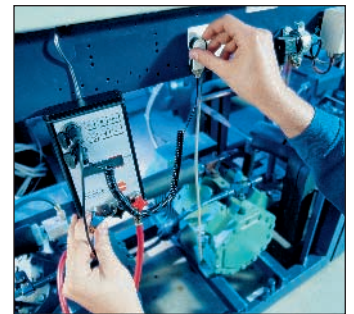
### testo 556-2

testo 556-2, Electronic manifold with 2 temperature probe sockets, stainless steel valve block (also for ammonia (NH<sub>3</sub>)), incl. battery

Part no. 0560 5562



Measuring subcooling using an attached pipe wrap probe



Data transfer to and from external memory chip

## Suitable probes at a glance

Description	Illustration	Meas. range	Accuracy	t99	Conn.	Part no.
Robust, waterproof immersion/penetration probe		-50... +400 °C	Class A	12 s	Fixed cable	0628 1272
Robust, waterproof surface probe with widened measuring tip, for smooth surfaces		-50... +400 °C	Class B	40 s	Fixed cable	0628 1972
Robust, affordable air probe		-50... +400 °C	Class A	70 s	Fixed cable	0628 1772
Pipe wrap probe with Velcro strip, for temperature measurement on pipes with diameter from 6 mm to max. 120 mm, Tmax +120°C		-50... +120 °C	Class 1	90 s	Fixed cable	0609 5600

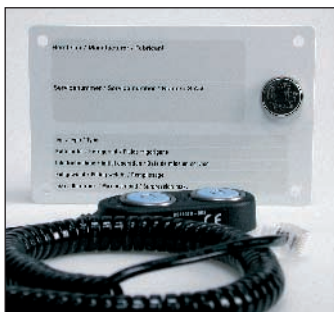
bar

psi

°C

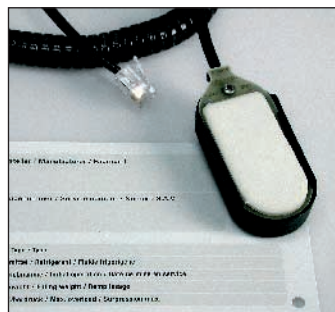
°F

## Practical accessories and recommended sets



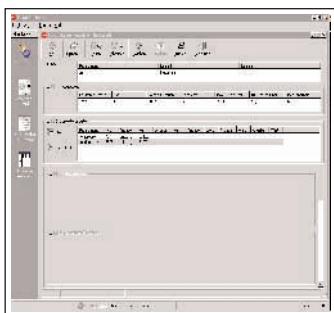
Machine rating plate incl. memory chip (also order 0628 5600 interface cable)  
Saves data on system history, maintenance and repairs on-site

Part no. 0554 5507  
Interface cable, see Figure



Interface cable from measuring instrument to memory chip  
Attachable to memory chip, to store system data and read out via instrument display

Part no. 0628 5600



Software for memory chip (please also order 0409 5600 interface cable)  
To file data and for analysis in graph and table form

Part no. 0554 5601



Transport case (plastic)  
Part no. 0516 0008

### Recommended kit:

#### testo 556, Set for maintenance and service on refrigeration systems and heat



testo 556-1, Electronic manifold with 2 temperature probe sockets, brass valve block, incl. battery

Part no. 0560 5561

Pipe wrap probe with Velcro strip, for temperature measurement on pipes with diameter from 6 mm to max. 120 mm, T<sub>max</sub> +120°C

Part no. 0609 5600

Pipe wrap probe with Velcro strip, for temperature measurement on pipes with diameter from 6 mm to max. 120 mm, T<sub>max</sub> +120°C

Part no. 0609 5600

Machine rating plate incl. memory chip  
Part no. 0554 5507

Software for memory chip  
Part no. 0554 5601

Interface cable from measuring instrument to memory chip  
Part no. 0628 5600

Serial interface cable from memory chip to PC  
Part no. 0409 5600

Transport case (plastic)  
Part no. 0516 0008

#### Brass version

#### Stainless steel version

As above set but with the following instead of 556-1:  
testo 556-2, Electronic manifold, stainless steel valve block (also for ammonia (NH<sub>3</sub>) refrigerant)

### Ordering data for Accessories

#### Part no.

Machine rating plate incl. memory chip (also order 0628 5600 interface cable)	0554 5507
Interface cable from measuring instrument to memory chip Attachable to memory chip, to store system data and read out via instrument display	0628 5600
Serial interface cable from memory chip to PC Attachable to memory chip, stores and reads out measurement data	0409 5600
Software for memory chip (please also order 0409 5600 interface cable) To file data and for analysis in graph and table form	0554 5601
Transport case (plastic) For practical storage of instrument and accessories	0516 0008
<b>ISO calibration certificate/Pressure</b> Absolute pressure; 5 pt. distributed over the whole measurement range	0520 0115
<b>ISO calibration certificate/Temperature</b> For air/immersion probes, calibration points -18°C; 0°C; +60°C	0520 0001
<b>DKD calibration certificate/Pressure</b> Absolute pressure; 11 measuring points distributed over meas. range (0.1 to 0.6% of fsv)	0520 0212
<b>DKD calibration certificate/Temperature</b> Meas. instr. with air/immersion probe; calibration points -20°C; 0°C; +60°C	0520 0211

### Refrigerants stored in instrument:

R 12	R 236F	R 407A	R 502
R 1270	R 290	R 407B	R 507
R 123	R 401A	R 407C	R 508
R 124	R 401B	R 408A	R 600
R 125	R 401C	R 409A	R 600A
R 134A	R 402A	R 410A	RDI 24
R 22	R 402B	R 413A	RDI 36
R 227	R 403B	R 417A	RDI 44
R 23	R 404A	R 500	R 717

### Technical data

Meas. range	0... +50 bar	Oper. temp.	-20... +60 °C
		Storage temp.	-20... +60 °C
Accuracy ± 1 digit	±0.5% of f.v. (0... +50 bar)	Battery type	9V block battery
		Dimensions	175x108.6x34.3 mm
		Warranty	2 years
Resolution	0.1 bar (0... +50 bar)	Pressure media:	CFC, fluorinated hydrocarbon, nitrogen (ammonia, testo 556-2 only)
		Compensation:	-10 to +50°C
		Internal memory:	8 KB as wrap-around memory (3610 values)
		Connection:	3 x 7/16" - UNF
		Separating membrane:	316 L stainless steel (stainless steel, testo 556-2 only)