

# Thermometers with capillary tube

For burners, boiler, hot water tanks and air conditioning/refrigeration systems, AFRISO offers different temperature and pressure measuring instruments with various housing versions and connection types. The portfolio covers thermometers and pressure gauges with plastic or copper capillary as well as combination instruments such as combined thermometer/pressure gauges. We also provide OEM versions for your specific applications. Please enquire.

## Application examples



11

**i** See page 310 for pressure gauge with capillary tube.

# Combined thermometer/pressure gauges THMK with capillary tube



- Ideal for boilers and hot water storage tanks
- Corrosion-resistant, highly impact-resistant plastic housing
- Many customised versions available

**Application** Heating, cooling and plumbing, e.g. boilers, hot water storage tanks.

## Technical specifications

**Nominal size**  
40 – 52

**Ranges**  
0/120 °C - 0/4 bar  
0/120 °C - 0/6 bar  
0/120 °C - 0/10 bar

**Accuracy/test point**  
For pressure: Cl. 4.0  
For temperature: 0/120 °C: 50 °C =  $\pm 3$  °C

**Measuring principle**  
For pressure: Bourdon tube, copper alloy  
For temperature: Liquid filling

## Application area

For pressure:  
Static load:  $\frac{3}{4}$  x full scale value  
Dynamic load:  $\frac{2}{3}$  x full scale value  
Short-term: full scale value  
For temperature: Full scale value

## Operating temperature range

Medium: Full scale value  
Ambient:  $T_{\max} = +70$  °C

## Operating pressure

No pressure

## Degree of protection

IP 32 (EN 60529)

## Standard version

**Connection**  
Back, with Cu capillary tube  
For pressure: Brass disk G $\frac{1}{4}$  B  
For temperature: Probe  $\varnothing$  6 x 30 mm, Cu  
(see data sheet)

**Dial**  
Plastic (ABS), white or black  
Dial marking black

**Pointer**  
Plastic, black

**Housing**  
Plastic (ABS), white or grey  
Highly impact-resistant and corrosion-resistant

## Window

THMK 40 = Clip-in plastic, transparent  
THMK 52 = Plastic, transparent with  
reference pointer

## Bezel

THMK 52 = Push-on bezel  
Plastic (ABS), grey

## Capillary length

Cu capillary with PVC coating, R3, grey  
L = 500, 1,000, 1,500, 2,000 mm

- Options**
- Dial with customer logo
  - Various capillary lengths
  - Special colours for housing, dial, pointer

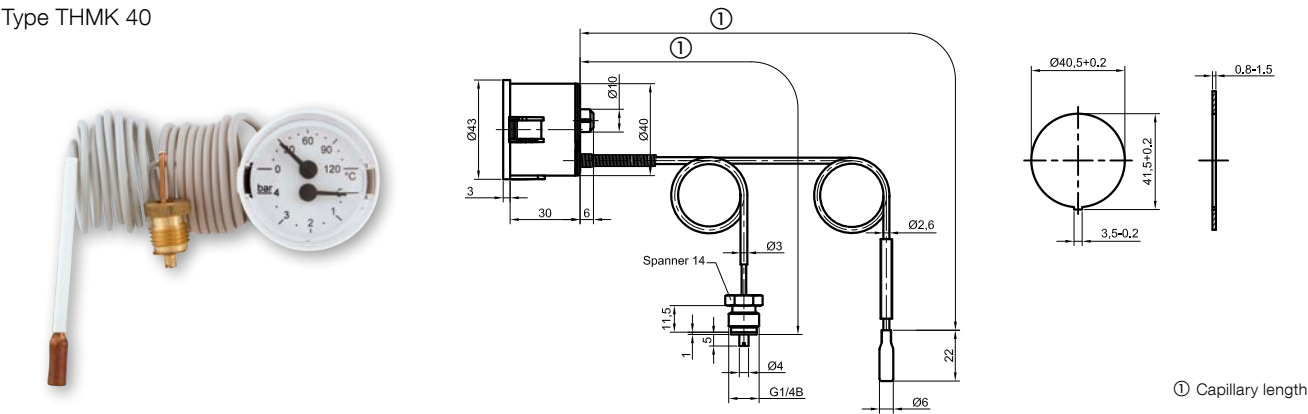


See page 347 for prices.

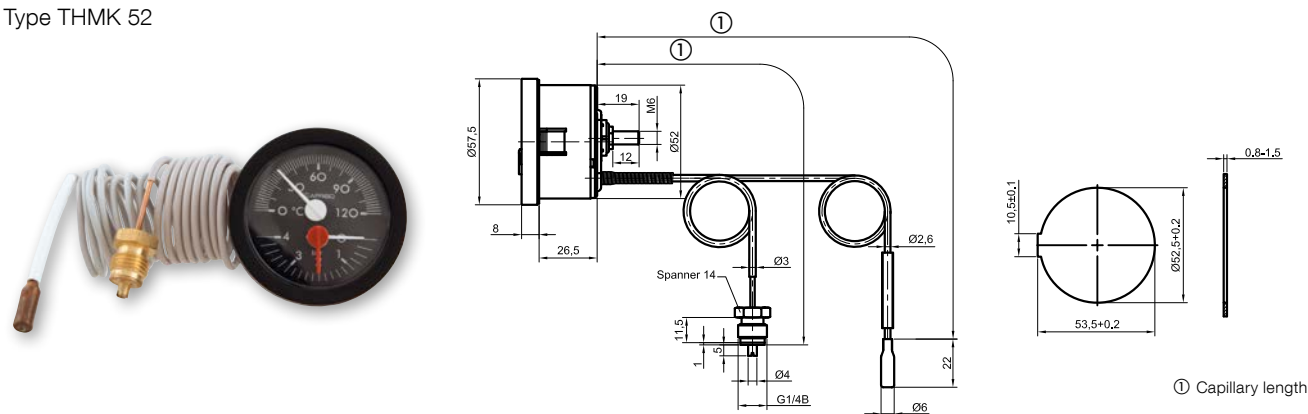
# Combined thermometer/pressure gauges THMK with capillary tube

Dimensions (in mm)

Type THMK 40









Type THMK 52



# Thermometers with capillary tube

DG: G, PG: 2

Type	THK 37	THK 40	THK 45	THK 52	THMK 40	THMK 52
Version						
Housing Ø	37	40	45 x 45	52	40	52
Housing	Plastic (ABS), grey	Plastic (ABS), white	Plastic (ABS), black	Plastic (ABS), grey, with bezel, black	Plastic (ABS), white	Plastic (ABS), grey, with bezel, black
Pointer	Plastic, black		Plastic, white		Plastic, black	Plastic, white
Dial/scale	Dial white / scale black		Dial black / scale white		Dial white / scale black	Dial black / scale white
Packing unit**	50 pieces					
Range	0/120 °C	0/120 °C	0/120 °C	0/120 °C	0/120 °C - 0/4 bar	
Capillary length*	<b>Price €</b> Part no.	<b>Price €</b> Part no.	<b>Price €</b> Part no.	<b>Price €</b> Part no.	<b>Price €</b> Part no.	<b>Price €</b> Part no.
500 mm				67502105		
1,000 mm	<b>67512115</b>			67502115		
1,500 mm	<b>67512125</b>	<b>67652125</b>	<b>67522125</b>	<b>67502125</b>		<b>67635125</b>
2,000 mm	<b>67512135</b>					
Range	---	---	---	---	0/120 °C - 0/6 bar	
Capillary length*	---	---	---	---	<b>Price €</b> Part no.	<b>Price €</b> Part no.
500 mm	---	---	---	---		
1,000 mm	---	---	---	---		
1,500 mm	---	---	---	---		<b>67636125</b>
2,000 mm	---	---	---	---		
Range	---	---	---	---	0/120 °C - 0/10 bar	
Capillary length*	---	---	---	---	---	<b>Price €</b> Part no.
500 mm	---	---	---	---	---	
1,000 mm	---	---	---	---	---	
1,500 mm	---	---	---	---	---	
2,000 mm	---	---	---	---	---	

\* Other capillary lengths on request.

\*\* Minimum order quantity for non-stock items = 100 pieces per delivery.