

# BIMETALLIC THERMOMETER DTR a DTÚ

diameter 106mm  
bottom, back connection



## DESCRIPTION:

- resistant plastic head
- stainless steel stem 17 248/1.4541
- glass inspection hole
- the thermometer is supplied without stem
- back connection DTR (straight thermometer)
- bottom connection DTÚ (angular thermometer)

## APPLICATION:

- heating and sanitary industry
- heating management, power engineering
  - food industry
  - chemical industry
  - hydraulic systems

## TECHNICAL PARAMETERS:

- case diameter: 106mm
- temperature range: -30+50, 0-120, 0-200, 0-350, 0-450°C
- stem length: 60, 100, 160, 250, 400, 630, 1000, 1500mm
- stem diameter: 8mm up to length 400mm  
12mm up to length 630mm
- accuracy class:  $\pm 2\%$

## SPECIFICATION:

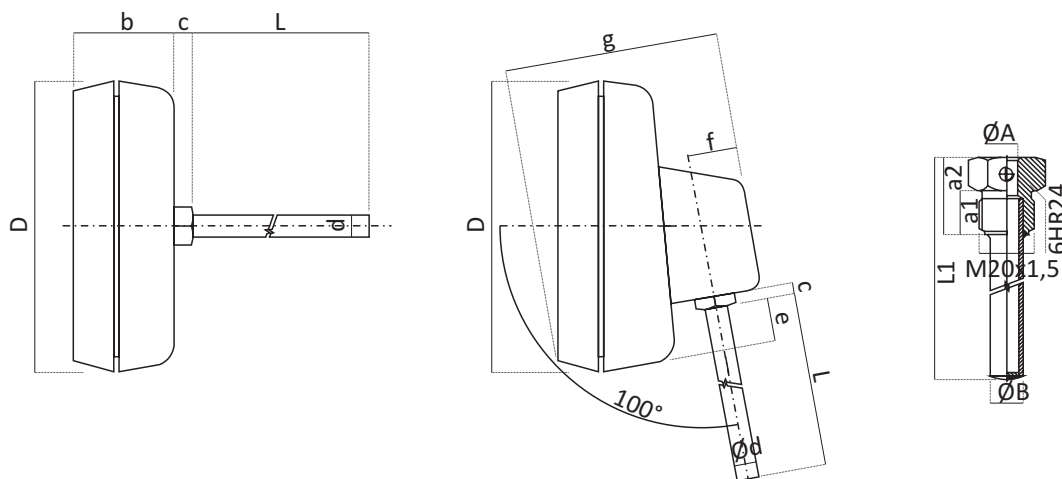
Bimetallic technical thermometers are due to its design and accuracy meant to be used for normal measuring under operational conditions. They are used for direct temperature measuring in almost all branches of industry. They may be used in cold rooms, boiler rooms, bakeries, drying rooms, green houses, smokehouses and in many other places using central heating systems. In specific cases the thermometers may be designed for extreme climate conditions.

A well must be used if it is necessary to protect the stem from high pressures or aggressive agents. Standard wells are available - steel PN6, stainless steel PN25 and PN40, then special wells for high parameters according to DIN or ON standards.

Thermometer	Dial grading	Scale range	Stem length ... L [ mm ]							
Type	by °C	°C	Ød=8mm (steel class 11)					Ød=12mm (steel class 11)		
			60	100	160	250	400	630	1000	1500
DTR	2	-30+50	X	X	X	X	X	X	X	X
	2	0-120	X	X	X	X	X	X	X	X
	5	0-200	X	X	X	X	X	X	X	X
	10	0-350		X	X	X	X	X	X	X
	10	0-450		X	X	X	X	X	X	X
DTU	2	-30+50		X	X	X	X	X	X	X
	2	0-120		X	X	X	X	X	X	X
	5	0-200		X	X	X	X	X	X	X
	10	0-350		X	X	X	X	X	X	X
	10	0-450		X	X	X	X	X	X	X

• DTR - back connection - straight version

• DTU - bottom connection - angular version



Dimensions in mm										
Type	D	c	d	L	b	e	f	g	a1	a2
DTR	106	6	8	see table	37	X	X	X	16	28
DTU	106	4	8	see table	X	16	17	76	16	28

#### INSTALLATION:

- loose installation: if the thermometer is not placed into liquid, gas or pressure environment
- installation with accessories:
  - sliding threaded socket
  - thermometric well
- thermometers with range 0-350°C and 0-450°C must not be used without well

The well is always by approx. 5 mm longer than the stem. Wells come in number of versions and designs - steel with varnish or chromium surface finish and stainless steel wells 17 246/1.4878, 17 248/1.4541, steel wells PN6, stainless steel wells welded from more pieces Pn25 or one-piece PN40. For high pressures use ON wells, see catalogue page A.1.13.