# **Pressure Gauge**

Class 2,5

Dimension	PN	Temperature range	Material
G 3/8	Full scale value for temporary load	-20 °C to +60 °C	Plastic

## **Range of Application**

For measuring the pressure of liquefied or gaseous non-aggressive media, primarily water, air and steam.

## UGC.31 Pressure gauge

Pipe-mounted, with analogue display of instantaneous value. Pressure gauges AT 4253 of Bourdon tube type. Class 2.5, husdiameter 100 mm, graded 0 -.... bar / Pascal.

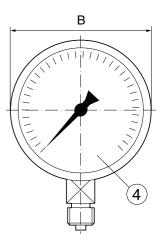


# **Quality Assurance**

PED, AFS 1994:4

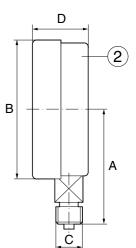
# **Material Specification**

		AT 4253	AT 4257	AT 4258
	Bourdon			
1	tube	copper alloy	copper alloy	copper alloy
2	Body	black plastic ABS	black plastic ABS	black plastic ABS
	Measuring			
3	body	copper alloy	platinum brass	copper alloy
4	Glass	acrylic glass	acrylic glass	acrylic glass
Parts in contact with media is made of copper alloy				



## **Dimensions**

	AT 4253
Α	85,5
В	100
С	G 3/8
D	30
Measurment in mm.	



## **Function and Design**

The pressure gauge is a bourdon tube type, which involves a circle-formed tube spring with an oval cross-section. The system pressure internally affects the bourdon tube so that it, at a certain pressure tends to straighten out. The free end of the bourdon tube moves proportionally with the internal pressure. This movement is then converted by the measuring element into a movement/indication value on the dial.



	AT 4253
Media tempera-	
ture	$-20^{\circ}\text{C}$ to $+60^{\circ}\text{C}$
Ambient temper-	
ature	$-20^{\circ}\text{C}$ to $+60^{\circ}\text{C}$
Accuracy class	2,5%
Effect of temper-	
ature	0,4%/10°C (over and under 20°C)
IP class	54
Max. working	75% of the scale value at resting load. 66% of the scale value at fluc-
pressure	tuating loads.

# **Dimensioning**

The scale range should be selected in accordance to the constant pressure that not should exceed 2/3 of the scale range.

# **Accesories and Options**

For complete pressure gauge sets includning control pressure gauge valve, water trap pipe and and pressure gauge valve, please see our AT 1800-1806 product sheet.

The pressure gauges are also available in damping fluid-filled, in stainless steel and with non-standard gradings upon request.

#### Installation

The pressure gauges are to be mounted so that they are both easy to read and protected against vibrations, heat, cold and high air humidity. For high fluid temperatures, a water trap pipe should be used. For pressure variations and vibrations, a damping fluid-filled pressure gauge should be used.

#### Marking

The products are marked with Armatec, class and grading.

#### How to order

Example: AT 4253-10-2,5					
AT 4253	-	10	2,5		
Article no.	Execution	Connection	Grading		
AT 4253=bodydiam. 100 mm	-=standard	-8			
	D=damping fluid-filled				
	U=decompression				

Rätten till ändringar utan föregående meddelande förbe Armatec ansvarar inte för eventuella tryck fal eller missf Dokumenten får kopieras endast i sin helhet.

