

All stainless steel gas thermometers, CITEC 4300 Series, are designed for chemical, petrochemical, pharmaceutical, food applications

Ø 100, 160

-40°C to 400°C, class 1

Gas thermometers all stainless steel 4300 Series

Product specifications

. Temperature range	-40°C to 400°C, others in option
. Accuracy class	1 according to EN 13190 (DIN 16203)
. Measuring element	brass copper spiral tube, inert gas : nitrogen N ₂
. Plain stem	316L stainless steel, Ø 8mm, option 6, 10, 12
. Case	304 stainless steel, option Ø 63, 80, 250
. Bezel	304 stainless steel, bayonet
. Window	glass
. Connection (option)	316L stainless steel sliding G1/2, NPT in option
. Thermowell (option)	316L stainless steel, Ø 12mm (used with sliding connection)
. Dial	white aluminium, black lettering
. Adjustment	by screw located on case, ±6%FS
. Max pressure	25 bar on stem
. Protection	IP65, glycerin filling option



Order codes



4304 Model (plain stem)

Measuring range	Ø 100			Ø 160		
	L 100	L 160	L 250	L 100	L 160	L 250
-40 +60°C	218 501	218 513	218 525	218 601	218 613	218 625
-20 +80°C	218 503	218 515	218 527	218 603	218 615	218 627
0 +120°C	218 505	218 517	218 529	218 605	218 617	218 629
0 +160°C	218 507	218 519	218 531	218 607	218 619	218 631
0 +250°C	218 509	218 521	218 533	218 609	218 621	218 633
0 +400°C	218 511	218 523	218 535	218 611	218 623	218 635

L = stem length

With flange : add flange order code (see next page)



4301 Model (plain stem)

Measuring range	Ø 100			Ø 160		
	L 100	L 160	L 250	L 100	L 160	L 250
-40 +60°C	218 801	218 813	218 825	218 901	218 913	218 925
-20 +80°C	218 803	218 815	218 827	218 903	218 915	218 927
0 +120°C	218 805	218 817	218 829	218 905	218 917	218 929
0 +160°C	218 807	218 819	218 831	218 907	218 919	218 931
0 +250°C	218 809	218 821	218 833	218 909	218 921	218 933
0 +400°C	218 811	218 823	218 835	218 911	218 923	218 935

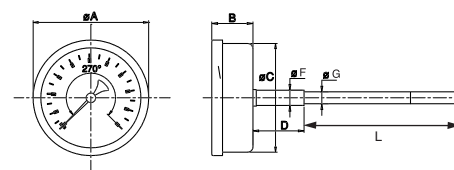
L = stem length

With flange : add flange order code (see next page)

Options

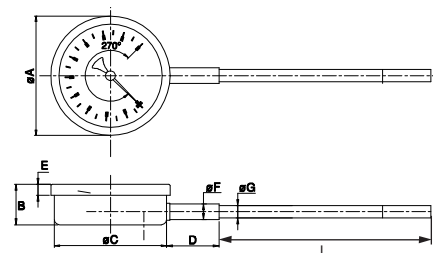
- . Case Ø 63, 80, 250
- . Other connections, NPT
- . Stem Ø 6, 10 and 12mm
- . Max stem length : 1000mm
- . Glycerin filled, add **E** at the end of the order code
- . Electrical contacts
- . Max pointer
- . Heavy duty Model, anti vibrations, for diesel engines
- . Other measuring ranges : see table next page

4304 Model



Ø	A	B	C	D	F	G
63	65	38	62	20	15	8
80	83	37	78	20	15	8
100	101	45	99	20	15	8
160	161	45	158	20	15	8
250	252	55	247	20	15	8

4301 Model



Ø	A	B	C	D	F	G
63	65	38	62	20	15	8
80	83	37	78	20	15	8
100	101	45	99	20	15	8
160	161	45	158	20	15	8
250	252	55	247	20	15	8

4300 Series

Flont flange 3 holes for panel mounting

304 stainless steel

Case Ø	Order code
100	218 342
160	218 344



Back flange 3 holes for wall mounting

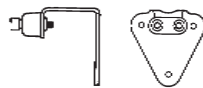
304 stainless steel

Case Ø	Order code
100	218 342V
160	218 344V

Bracket for wall mounting

304 stainless steel

Order code	218 360
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Other measuring ranges

Measuring range	Code	Measuring range	Code
-200 +50°C	T01	-20 +100°C	T25
-120 +40°C	T02	-20 +120°C	T26
-110 +50°C	T03	-20 +180°C	T27
-100 +100°C	T04	-10 +15°C	T28
-100 +50°C	T05	-10 +30°C	T29
-80 +40°C	T06	-10 +50°C	T30
-70 +50°C	T07	-10 +110°C	T31
-60 +40°C	T08	-10 +150°C	T32
-60 +60°C	T09	0 +25°C	T33
-50 +50°C	T10	0 +40°C	T34
-50 +100°C	T11	0 +60°C	T35
-40 +20°C	T12	0 +80°C	T36
-40 +40°C	T13	0 +100°C	T37
-40 +60°C	T14	0 +120°C	T38
-40 +80°C	T15	0 +160°C	T39
-40 +120°C	T16	0 +200°C	T40
-40 +160°C	T17	0 +250°C	T41
-30 +30°C	T18	0 +300°C	T42
-30 +50°C	T19	0 +400°C	T43
-30 +70°C	T20	0 +500°C	T44
-30 +170°C	T21	0 +600°C	T45
-30 +270°C	T22	0 +700°C	T46
-20 +40°C	T23	0 +800°C	T47
-20 +60°C	T24	+100 +500°C	T48

Sliding connection for Ø 8mm stem

316L stainless steel

Raccord	Référence
G1/2	218 305
G3/4	218 306

NPT : add N at the end of the order code

316L stainless steel thermowell

Be carefull : add sliding connection for mounting

L mm	Order code
50	218 363
100	218 365
160	218 366
250	218 367

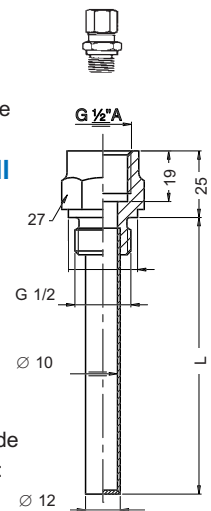
NPT : add N at the end of the order code

DN38 clamp (1.5", flange Ø : 50.5mm) :

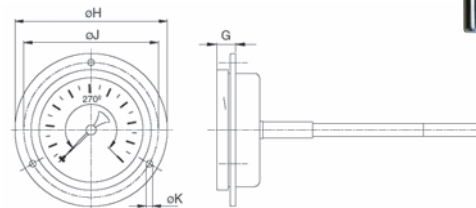
add C38 at the end of the order code

Clamp DN51 (2", flange Ø : 64mm) :

add C51 at the end of the order code

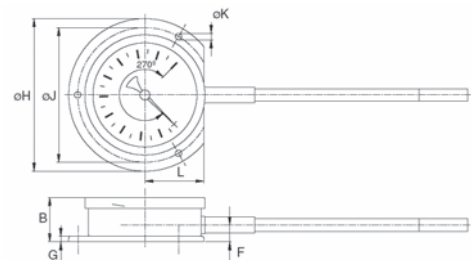


4302 Model, front flange



Ø	H	J	K
63	86	75	3.5
80	110	95	4
100	132	116	5.5
160	192	178	6
250	285	270	6

4302 Model, back flange



Ø	H	J	K	B	F
63	86	75	3.5	38	13
80	110	95	4	37	13
100	132	116	5.5	45	13
160	192	178	6	45	13
250	285	270	6	57	13