

MTA2 - MTA3 Industrial capsule pressure gauges

Ø 50 - 63 mm

Low pressure measurements

Zero adjustment

Class 1.6

Easy to read

-400 ... 0 to 0 ... 600 mbar

Conform to EN 837-3

The pressure gauges of the MTA series are well suited for low pressure measurements on clean and non corrosive gases in the ranges - 400 ... 0 mbar to 0 ... 600 mbar.



Specifications (20°C)

Measurement ranges	From - 400...0 to 0...600 mbar.
Working pressure (-400 ... 600 mbar)	Steady: 75% of full scale value Fluctuating: 60% of full scale value Short time: 100% of full scale value
Gauge working temperature	-20... 60°C
Thermal drift	±0.4% for a variation of ±10°C (50°F) in relation to the reference temperature 20°C (68°F)
Accuracy class	Class 1.6.
Protection rating	Types B.F.G. : IP 44 Type D : IP 33 Conforms to EN 60529
Sensing element	Bronze / Brass screwed to connection.
Case	Stainless steel 1.4301 (AISI 304).
Bezel ring	Type G, stainless steel, triangular, set onto case.
Window	Polycarbonate, snap fit into case.
Dial	Directly screwed to the plate, painted aluminium alloy, black graduations on white background.
Pointer	Aluminium alloy, black painted.
Movement	Brass.
Zero adjustment	By a device located on the front and allowing vable window (except for type G), or accessible through a plug (type G).
Connection	Stamped brass, 14 mm square
Thread	G 1/4 or 1/4 NPT

Options

Restrictor screw. **Code 0771**

Oxygen application. **Code 0765**

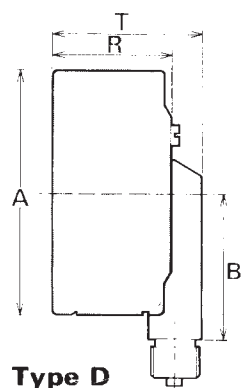
Special connections. **Consult us**

Special graduations. **Consult us**

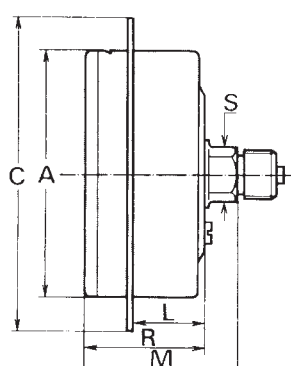


Baumer

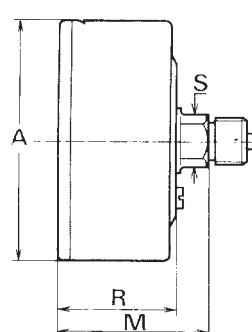
Dimensions (mm) - Types of mounting



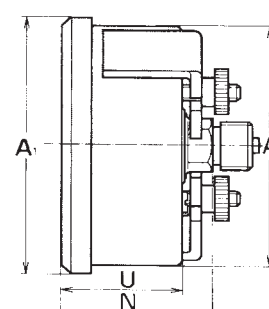
Type D



Type B



Type F



Type G

Dia. in mm	A	A1	B	C	L	M	N	R	T	S	U
50	51	55.6	31.5	68	18.5	38	39.5	29.5	37.5	14	31
63	63	67.6	37.6	81	18.5	39	39.5	30.5	38.5	14	31

Weight (kg)

Type Ø in mm	B	D	F	G
50	0.124	0.118	0.115	0.130
63	0.148	0.117	0.124	0.161

Ordering details - MTA

MTAxxx0xxx	
Family	1' digit
Pressure gauges	M
Type	2'...3' digit
MTA	TA
Dial diameter	4' digit
Ø 50 mm	2
Ø 63 mm	3
Type of mounting	5' digit
back connection, front flange	B
bottom connection	D
back connection	F
back connection and ring	G
Hydraulic connection	6' digit
G 1/4	2
1/4 NPT	5
Type of liquid filling	7' digit
Without filling	0
Pressure range	8'...10' digit
See codes in table	xxx

code		Ranges (mbar)	
N53	Vacuum	-60	+ 0
N54		-100	+ 0
N55		-160	+ 0
N56		-250	+ 0
N57		-400	+ 0
N07	Pressure	0	+ 60
N08		0	+ 100
N09		0	+ 160
N10		0	+ 250
N11		0	+ 400
N12	Compound	0	+ 600
N64		-25	+ 40
N65		-40	+ 60
N66		-60	+ 100
N67		-100	+ 160
N68		-160	+ 250
N69		-250	+ 400

Unit of measurement
ranges : N = mbar