

Helical tube pressure gauges for highest pressure applications upto 4,000 bar series MXH

St. steel case & socket
Helical tube made of Ni span C

General specification

- Helical tube made of Ni-span C.
- Pressure ranges from 0...2500 to 0...4000 bar
- Case and element assembly of stainless steel
- Bayonet bezel ring with stainless steel 304
- German movement and sensing element
- Degree of Protection, IP65

Application area

- MXH is suitable for use in various sectors of industry
- High quality stainless steel design for measuring gaseous, liquid and aggressive media.
- High pressure cleaning
- Water jet in shipbuilding industry.

General specification

Normal Size & pressure ranges

MXH.5xx : 100mm from 0...2500 bar to 0...4000 bar

Accuracy class

MXH.5xx : Accuracy (DIN EN 837-1) class 1.0

Type of mounting

Bottom connection
Bottom connection with back flange

Pressure limitation

Steady: Full scale value
Fluctuating: 0.9 x full scale value
Short time: 1.3 x full scale value

Temperature range of

Medium / operating:
unfilled instruments: -40...+200°C
with glycerine filling: -20...+100°C
with silicon oil filling: -40...+100°C
Ambient :
unfilled instruments: -40...+60°C
with glycerine filling: -20...+60°C

Degree of protection DIN EN 60 529/IEC 529
IP 65

Case and bayonet bezel ring

With blow-out top
Made of stainless steel, SUS 304
Bayonet ring

Helical tube material

Ni Span C, pressure $\geq$ 2,500 bar



Ni span C Helical tube, using for MXH

Manufacturing standard

- EN 837-1
- ASME B40.100
- ANSI/B1.20.1 for process connection

Design

- DIN 16001

Movement

Stainless steel

Dial

Aluminium, white

Pointer

Aluminium, black
Zero adjustable pointer [option]

Mark pointer

Red mark pointer on bayonet ring
adjustable [option]

Pointer stop pin

without

Window

Instrument safety glass

Case filling

without, dry type
Glycerine 85%
Silicon oil 85%

Restrictor

without / with [option]

Connection to process, $\geq$ 2500 bar

M16 x 1.5 (F) and cone for 1/4" tube
9/16-18UNF (F) with sealing cone 60° sealing cone
5/8-18 UNF (F) with inner sealing cone 60°
G 1/2" B (up to max. 2500 bar)



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Ordering information

Helical tube made of Ni span C

MODEL CODE **MXH** **option**

Dial size

5	100 mm
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Mounting

1	Bottom connection
2	Bottom connection with back flange

Liquid filling

0	Dry
1	Glycerin
2	Silicon

Process connection

U4	UNF 9/16"-18 Female
H1	UNF 5/8"-18 Female
H2	M16 x 1.5 Female
G2	G1/2"B (max.upto 2500bar)

Unit of measurement

B	bar
M	MPa
P	psi
D	dual scale (MPa/bar)

Pressure range code, unit bar

Code	Range
R58	0...2500
R59	0...3000
R60	0...4000

Option

Refer to option table

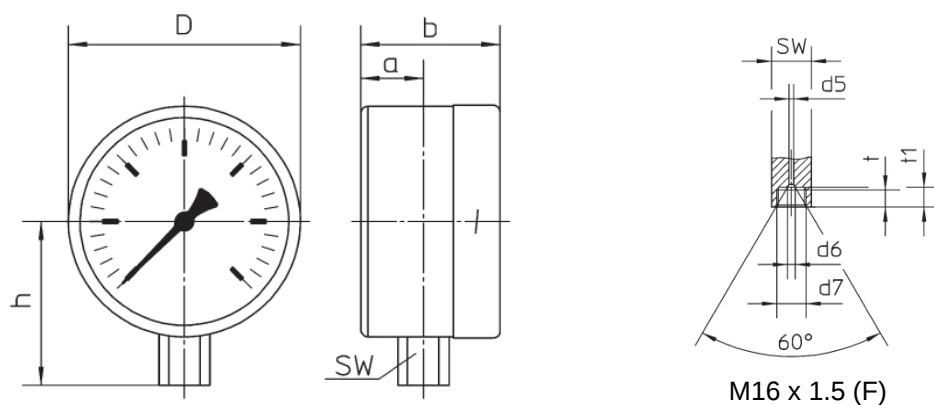
Option code

Code	Description	Code	Description
ND	New dial design	TP	St. stell tag plate, 60 x 20 x 0.5t
NF	New dial face printing cost per pcs	MC	Manufacture calibration certificate
GM	Green marking per pcs	KC	KOLAS Ilac-MRA calibration certificate
CD	New dial face design with company logo	RE	Reed switch
RS	Restrictor screw in socket hole for high pulsation	SN	Snubber
UC	U-calmp for back connection, steel	AD	Adaptor
NO	"USE No OIL" per pcs, at least ≥ 10 pcs	CC	Certificate of conformance / orign
OF	Oval 3-hole front flange	PM	2" Pipe mounting bracket
MP	MXHimum red pointer	NC	Ni-Cr Plate
BB	Bayonet bezel ring for MXHK.5xx	AL	Aluminium pointer for MXHK.3xx

How to order

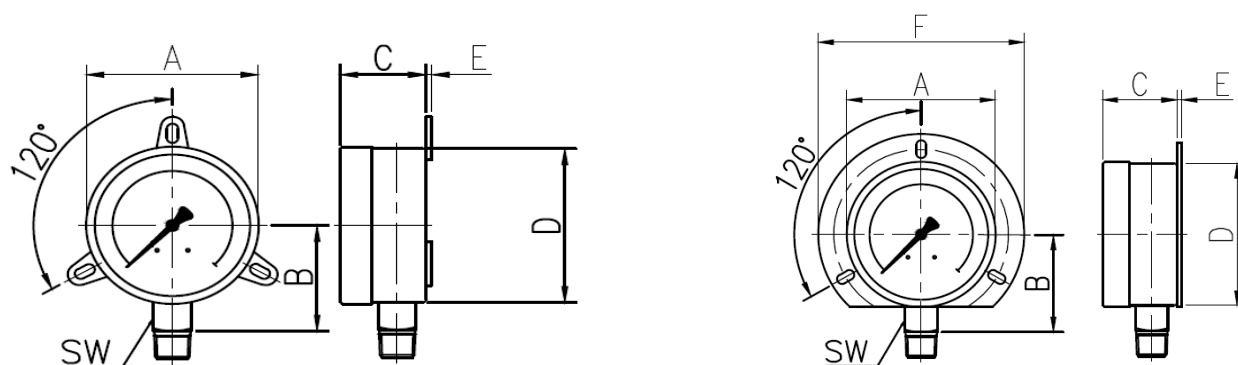
MXH.511.G2.D.R58.GM

MXH, 100mm, Bottom connection, Gly, G1/2", 0...2500 bar/MPa, Green marking (customized)



Dimension (mm)

Series MXH	a	b	D	h	d5	d6	t	t1	SW
MXH.5xx	25	59	101	87	-	4.8	10.5	12	22



Dimension (mm)

MXH.5xx	100.5	90	49	97	2	132	22
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Process connection

code	specification
G2	G 1/2" B
H2	M16 x 1.5 (F) and cone for 1/4" tube
U4	9/16-18UNF (F) with sealing cone
H1	5/8-18 UNF (F) with inner sealing cone

How to order

MXH.511.H2.BR60

MXH.511, 100mm, Bottom connection, Glycerin, M16 x 1.5 (F), 0...4000 bar