

tonnage sensor

type: QMS



picture alike

QMS

5001 013x 0000

Apr-21

- _ easy to assemble
- _ high linearity
- _ long life span
- _ no aging
- _ no wear
- _ compact design
- _ high rigidity

application range

press force measurement

in tools

technical data

feature:

housing	steel
operating temperature range	-196...+200°C
output	load
sensitivity	~-4.3pC/N
capacity (typ.)	8...203pF
resonant frequency (typ.)	30...180kHz
linearity	≤±0,5
insulation resistance	≥1·10 ¹⁴ Ω
temperature coefficient of sensitivity	-0.02%/°C
enclosure rating	IP65

subject to change

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 unidor@trsystems.de
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order data / types

type	description	order number
QMS 9001	quartz measuring disk	5001 0130 0000
QMS 9002A	quartz measuring disk	5001 0132 0000
QMS 9011A	quartz measuring disk	5001 0131 0000
connecting cable	QMS 90xxx, length 1m	5001 0139 0000

technical data

type	9101A	9102A	9103A	9104A	9105A	9106A	9107A
measuring range	0...20kN	0...50kN	0...100kN	0...140kN	0...190kN	0...330kN	0...700kN
overload	25kN	60kN	120kN	160kN	210kN	360kN	770kN
max. bending moment	21Nm	86Nm	217Nm	380Nm	617Nm	1326Nm	4229Nm
stiffnesskN/ µm	~1.8	~3.5	~6.0	~7.5	~9	~14	~26
capacity	23pF	37pF	54pF	65pF	64pF	148pF	203pF
measure d	6.5mm	10.5mm	13mm	17mm	21mm	26.5mm	40.5mm
measure D	14.5mm	22.5mm	28.5mm	34.5mm	40.5mm	52.5mm	75.5mm
measure H	8mm	10mm	11mm	12mm	13mm	15mm	17mm
measure L	30mm	34mm	37mm	40mm	48mm	60mm	73mm
weight	7g	20g	36g	70g	80g	157g	370g

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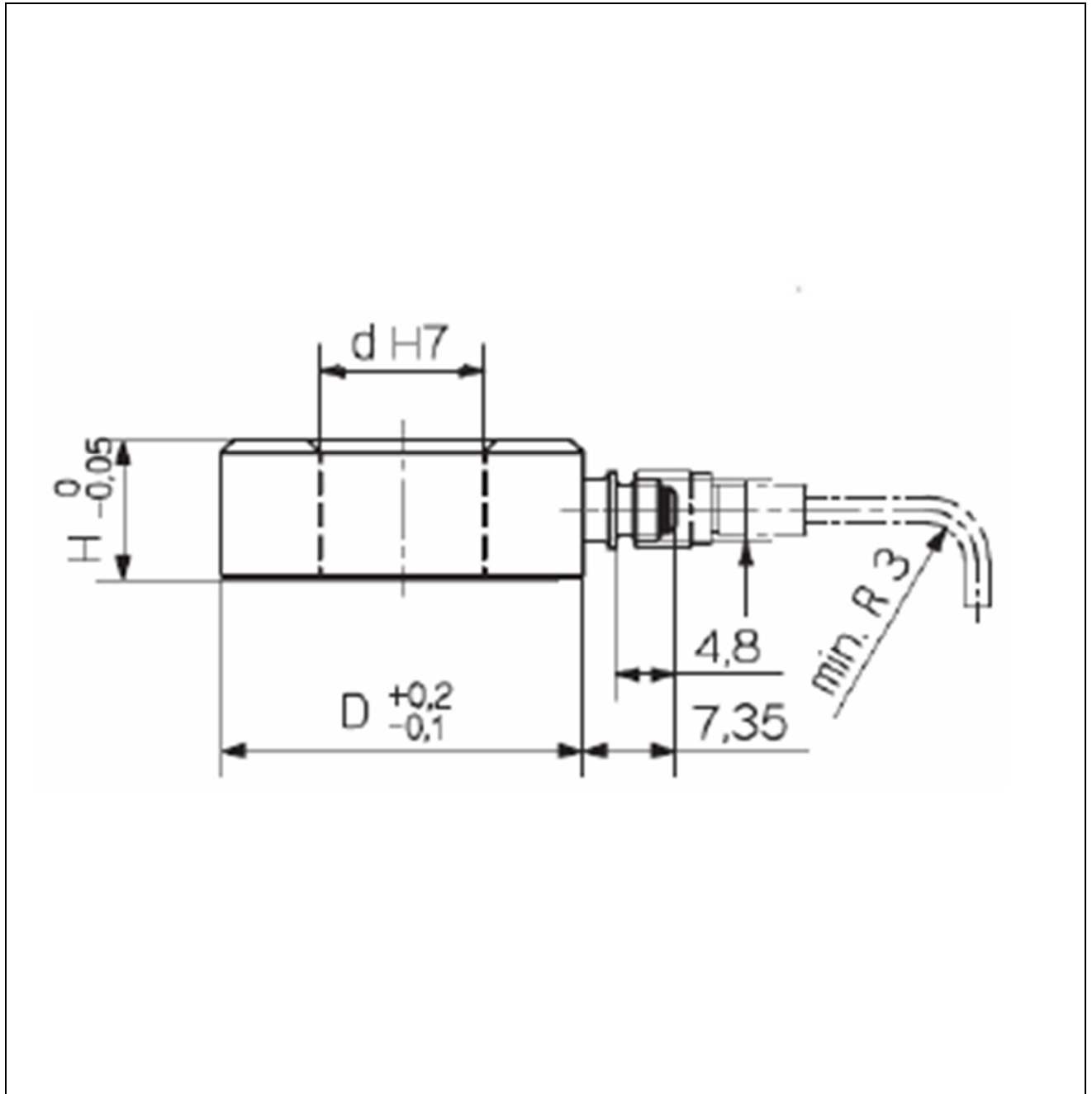
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dimensions

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