Internal measurement with 3-point contact

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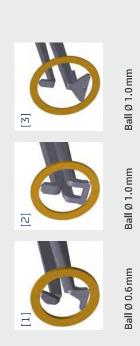
L210P3

.xem

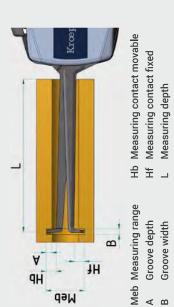
Application range from 7 to 105 mm

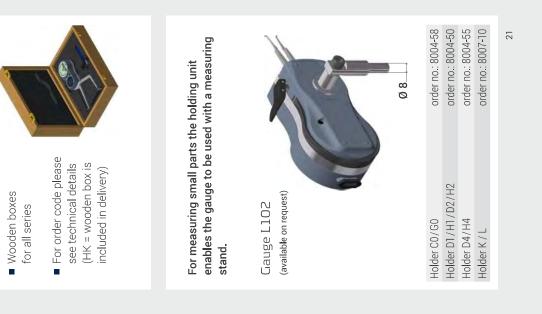
xod nəbooW		1732-65	1732-65	1732-65	1732-65	1732-65	1732-65	1732-65	1732-65
Electronic E Mechanical M		ш	ш	ш	ш	ш	ш	ш	ш
Picture		Ξ	[2]	[2]	[3]	[3]	[3]	[3]	[3]
em J dłąbb pninze9M	[mm]	34	75	77	84	84	84	84	84
Groove width B min.	[mm]	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
.xsm A dtqəb əvoorƏ	[mm]	2.2	3.5	5.0	7.0	8.0	8.0	8.5	9.0
Type of measuring contact	[mm]	Ball Ø 0.6	Ball Ø 1	Ball Ø 1	Ball Ø 1	Ball Ø 1	Ball Ø 1	Ball Ø 1	Ball Ø 1
tsefnos pninuseeM TH bexit	[mm]	ī	ı	ı	ı	ı	ī	ı	ı
Measuring contact Measuring contact	[mm]	2.5	4.6	5.8	7.3	12.2	12.2	12.2	12.2
Protection class		P67	1P67	P67	P67	P67	P67	P67	1P67
tdpieW	[0]	250	270	295	275	290	290	295	305
Measuring force F _{max}	Z	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6
_{nim} F force F _{min}	Z	1.0	[]	1.1	1.1	1.1	1.1	1.1	1.1
Repeatability limit r	[mm]	0.004	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Permissible errors G	[mm]	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Wumerical interval Zw	[mm]	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005
noitsoibni to spnsA dzA	[mm]	6.8-14.5	9.8–20.5	14.5-30.5	24.5-45.5	39.5-60.5	54.5-75.5	69.5-91	84.5-106
dəM əpnsı pniruzsəM	[mm]	7–14	10-20	15-30	25-45	40-60	55-75	70-90	85-105
səM naqs prinusa9M	[mm]	7	10	15	20	20	20	20	20
	Type	L107P3	L210P3	L215P3	L225P3	L240P3	L255P3	L270P3	L285P3

Measuring contacts

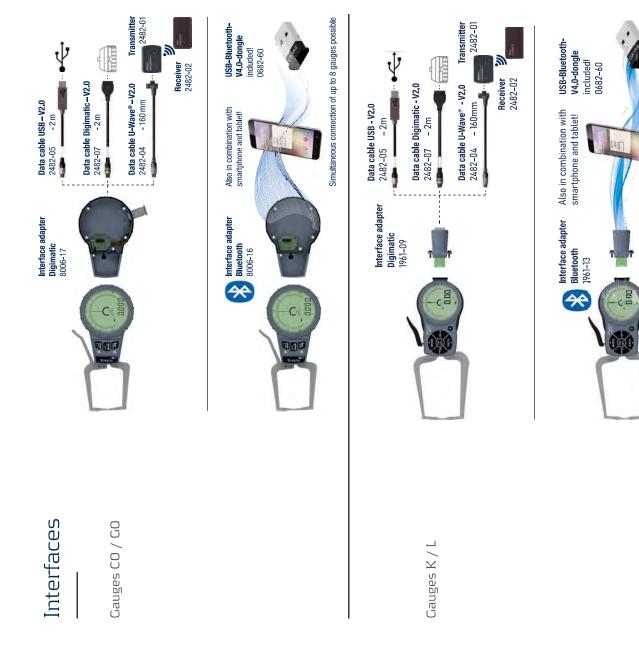


Measuring capacity

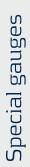




Simultaneous connection of up to 8 gauges possible



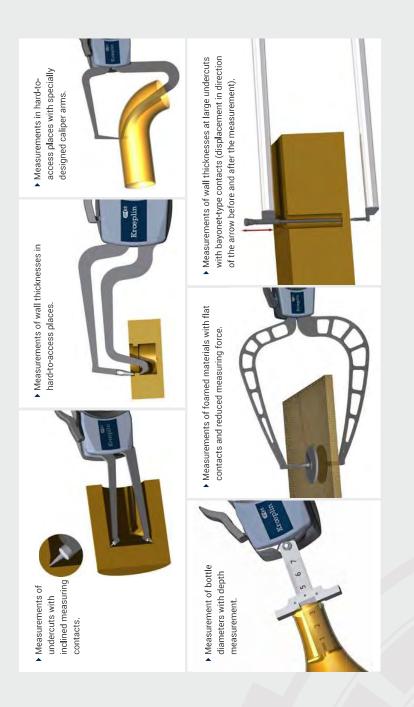
Accessories



We are always searching for the best solution for your measuring problem, either mechanical or electronic.

design your special gauge, please kindly send us a drawing enables us to put forward the optimum design solution for the part to be measured. Full information in your enquiry of the object to be measured and indicate tolerance and In order to enable us to find the solution together and to measuring force, and if possible, send us a sample of your application.

The gauges shown are examples of special applications. For additional measuring applications we offer customised solutions.





Detailed information and data sheets for all gauges are available on our webpage.

instruments	Diagram of deviation	Range of indication Azb The range of indication is the range between the high
	0	and the lowest indication.
As an optional accessory we offer customised foam inlays for storing instruments e.g. in drawer cabinets.	h ⁺ t ^w	Numerical interval Zw The numerical interval is the difference between two secutive numbers of the last digit shown in the displa The numerical interval of a numerical scale is the mo
Let us know the external dimensions as well as the number and type of Kroeplin gauges to be accommodated. If you would like to integrate different manufacturers' products or tools	G measuring range picture 1	cation of the value of a measured variable that cause modification of the indication by one interval. The nur cal interval corresponds to the scale interval of a line and is indicated in the unity of the measured variable.
implement this based on your 2D CAD data.	The individual diagram of deviation you can see in the certificate of quality which will be sent with every gauge.	Scale interval Skw The scale interval is the modification of the value of a
Based on your data we will send an appropriate offer. Please contact us.	Definitions Terms of length test techniques see DIN 2257 part 1 and	measured variable that causes the modification of th indication by one interval. The scale interval is indicat the unity of the measured variable.
	part 2 and International Vocabulary of Basic and General Terms in Metrology.	Deviation in the measuring range $f_{\rm M}$ The deviation in the measuring range $f_{\rm M}$ represents the
	Foundations This instruction follows approximately the checking instruc- tions of the German standard DIN 878 for dial gauges and the checking instructions for caliper gauges according to	distance of ordinates between the highest and the low position in the deviation diagram, when the movable of arm closes. The tolerance field G for f_M is symmetric positioned to the zero line.
	אטו/ אטב/טטע בסומ, page וס. והפימעפוצי מרפידורים נס as gauges with absolute measurement and adjustable zero point.	Repeat precision f _w The repeat precision f _w is a characteristic value for de
	Measuring span Mes The measuring span is the difference between starting value and final value of the measuring range.	when the movable caliper arm closes (usually n=5). T margin of error is designated as repeat limit r.
	Measuring range Meb The measuring range of a gauge represents the range of measuring values in which given error limits must not be exceeded.	Measuring force F_{min}, F_{max} When the caliper arm closes, the measuring force F _{mi} F _{max} is determined at the top of the movable caliper a The gauge must be held in vertical position >= 200 m

Definitions

for storing measuring

Foam inlays

Range of indication Azb

ghest

vo con-splay. modifi-lses the numeri-ne scale ble.

of a ⁻ the cated in

s the lowest le caliper rically

- devia-ng range). This

F_{min} or r arm. mm.





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Subject to technical alterations. | Status: 10/2021