Soil pressure at construction site Civil engineering design KDA-PA/KDB-PA Soil Pressure Gauge Fixing screws (8-M5 DP8) **KDA-PA** KDB-PA PCD188 KDA-PA Input/Output cable CE Screws M6 DP15 (for grip) 2 4 e 25. The KDA-PA and KDB-PA are soil pressure gauges each 200 mm in outside diameter. They are widely used at construction sites. 5.5 φ166(Sensing area) 10 They are designed with a dual-diaphragm structure that can φ200 30 minimize the displacement of a sensing area and thereby can keep the stress distribution in soil undisturbed under pressure. The KDA-PA is used to measure the pressure in soil and to monitor the Fixing hole $(8-\phi 6.5)$ behavior of embankments. The KDB-PA is used to measure the **KDB-PA** PCD188 pressure in earth retaining walls or the pressure on wall surfaces of structures. Protection ratings: IP68 equivalent Minute displacement of pressure-sensitive area Input/Output cable due to dual-diaphragm structure Can measure dynamic earth pressure, too Screws M6 DP15 (for grip) 27. φ 30 SPECIFICATIONS 25.5 KDA-200KPA KDA-500KPA KDA-1MPA KDA-2MPA TYPF KDB-200KPA KDB-500KPA KDB-1MPA KDB-2MPA 5.5 ϕ 166(Sensing area) Capacity 200kPa 500kPa 1MPa 2MPa φ172 Rateped Output 1mV/V(2000×10⁻⁶ strain) φ200 Non-linearity 2%R0 1%R0 Allowable temperature range -20 ~ +60°C * :28mm for only KDB-200kPA 350Ω Input/Output resistance Recommended exciting voltage 3V or less 10V Allowable exciting voltage Cable drawing direction KDA-PA: from side of body KDB-PA: from back of body Input/Output cable : 6 kg Weight ϕ 9mm 0.5mm² 4-core shielded chloroprene cable 2m

KDC-PA/KDD-PA Soil Pressure Gauge



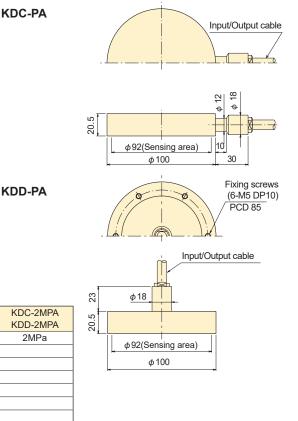
The KDC-PA and KDD-PA are anticorrosion stainless-steel soil pressure gauges each 100 mm in outside diameter. They are used to measure the pressure in soil in ocean or coastal civil engineering structures and to measure the dynamic pressure of waves. The difference between these two models is the way the cable is attached to the gauge body. Protection ratings: IP68 equivalent

Made of all stainless steel with excellent corrosion resistance

Minute displacement of pressure-sensitive area due to dual-diaphragm structure Can measure dynamic earth pressure, too

SPECIFICATIONS						φ.ιο
TYPE	KDC-200KPA	KDC-500KPA	KDC-1MPA	KDC-2MPA	<u>ا</u> ي	
ITFE	KDD-200KPA	KDD-500KPA	KDD-1MPA	KDD-2MPA	50.	
Capacity	200kPa	500kPa	1MPa	2MPa		(00(0,
Rateped Output	1mV/V(2000×10 ⁻⁶ strain)]	ϕ 92(Sensing area)
Non-linearity	2%R0	1%R0			1	φ100
Allowable temperature range	-20 ~ +60°C]	-
Input/Output resistance	350Ω]	
Recommended exciting voltage	3V or less]	
Allowable exciting voltage	10V]	
Cable drawing direction	KDC-PA: from side of body KDD-PA: from back of body] Input/O	utput cable :
Weight	1.2 kg					0.5mm ² 4-core shielde

Civil engineering design



led chloroprene cable 2m



Tokyo Measuring Instruments Lab.