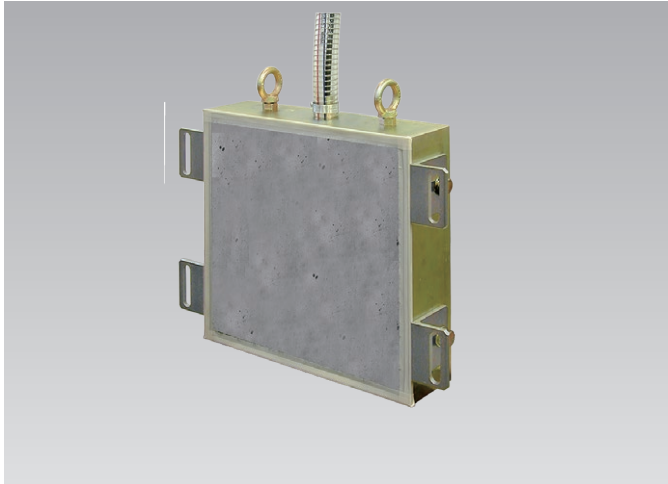


Friction force on concrete caisson

KKA-PB Caisson skin-friction meter

Civil engineering design



The KKA-PA is a transducer to measure the skin-friction bearing force of a caisson, which is acting on the wall of a concrete caisson generated by the friction between the ground and the concrete surface. The transducer is installed so that the sensing surface of the transducer is positioned in the same surface with the caisson wall. The skin-friction bearing force by the ground is measured during the immersion and settlement of the caisson.

Protection ratings : IP 67 equivalent

For skin-friction meter for steel caisson, please contact us.

SPECIFICATIONS

TYPE	KKA-200KPB	KKA-300KPB
Capacity	200kPa	300kPa
Rated output	1.5mV/V (3000x10 ⁻⁶ strain)	
Non-linearity	1%RO	
Allowable temperature range	-30 ~ +70°C (No freezing)	
Input/Output resistance	350Ω	
Recommended exciting voltage	2V	
Allowable exciting voltage	10V	
Zero balance	±1500x10 ⁻⁶ strain or less	
Weight	33 kg	

Input/Output cable : φ9mm 0.5mm² 4-core shielded chloroprene cable 2m

Observation and control of caisson driving process

