

UCP

CENTER-HOLE TYPE LOADCELL

Tension/compression & center-hole type load cell

Specifications

Model	UCPI-1KN, UCPI-2KN, UCPI-5KN, UCPI-10KN, UCPI-20KN	UCPI-50KN						
Rated capacity	1kN, 2kN, 5kN, 10kN, 20kN	50kN						
Rated output	Approx.2mV/V							
Safe overload	150%R.C.							
Zero balance	±10%R.O.							
Non-linearity	0.1%R.O. or less	0.15%R.O. or less						
Hysteresis	0.1%R.O. or less	0.15%R.O. or less						
Repeatability	0.1%R.O. or less							
Compensated temperature range	-10 to +60°C							
Safe temperature range	-20 to +70°C							
Temperature effect on zero	0.1%R.O./10°C or less							
Temperature effect on span	0.1%R.O./10°C or less							
Input resistance	Approx.1000Ω							
Output resistance	Approx.1000Ω							
Recommended excitation voltage	10V(AC,DC)							
Maximum excitation voltage	15V(AC,DC)							
Insulation resistance	1000MΩ or more							
Cable	ϕ 5 6 conductor flexible cable 3m End treatment 7 leads.							
Loadcell material	Stainless steel							

A tapped hole cut in the center, can be used \checkmark for both tension & compression measurement

Suitable for assembling into press machine \checkmark and compression & tension testing machine due to its low-profile body

- \checkmark A cable with a connector. Convenient for exchange.
- \checkmark Made of stainless steel

/ SER.NO.C140002

MADE IN 11



PCDH

External dimension



Model	Deflection at rated	Natural frequency	Weight	Α	В	С	D	E	F	G	P.C.D.H	I	J	K
UCPI-1KN	0.05 mm	5kHz	350g			-	-	-	-	-	-	-	-	-
UCPI-2KN		7kHz			-									
UCPI-5KN	0.06 mm	10kHz												
UCPI-10KN	0.04 mm		410a	20	18	24+0.2	72	M5×0.8			65	M16x2.0	A	Approx 71
UCPI-20KN	0.05mm	12147	FIOG	20	10	2410.2	12	10000.0	7	22.5		1011042.0	Approx.	7.000.7.1
UCPI-50KN	0.06mm	TOKITZ	630g	23	21	28±0.2	82	M8×1.25			72	M20×1.5	35.5	Approx.76

■ UCPI-1KN/2KN/5KN



5 6 conductor flexible cable 3m End treatment 7 leads.*