Dimensions

LCW-D-S

Hermetically Sealed Structure with Inert Gas Filled in

Heat- and Oil-Resistant Cable

High Stabilit



Hermetically-sealed structure with inert gas filled in ensures highly reliable, stable operation for a long period of time under harsh conditions. The flat washer-type structure requires only fabrication of screw nuts for installation to existing rolling mills.

Load cells which meet individual rolling mills can also be manufactured. Inquiries are welcome.

Specifications

Safe Overload Rating

Natural Frequency

Protection Rating

Weight

150%

See table below.

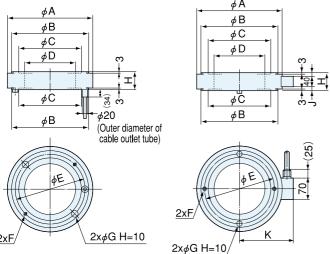
See table below.

IP 64 (Sprashproof type conforming to JIS C 0920)

Performance									
Rated Capacity	See table below.								
Nonlinearity	Within ±1% RO								
Hysteresis	Within ±1% RO								
Repeatability	0.3% RO or less								
Rated Output	1 mV/V (2000 μm/m) or more								
Environmental Capability									
Safe Temp. Range	−20 to 100°C								
Comp. Temp. Range	−10 to 80°C								
Temp. Effect on Zero Bal.	Within ±0.01% RO/°C								
Temp. Effect on Out.	Within ±0.01%/°C								
Electrical Characteris	Electrical Characteristics								
Safe Excit. Voltage	15 V AC or DC								
Recom. Excit. Voltage	1 to 10 V AC or DC								
Input Resistance	$350~\Omega\pm1\%$								
Output Resistance	$350~\Omega\pm1\%$								
Cable	4-conductor (0.75 mm²) fluonlex shielded cable, 8								
	mm dia. by 15 m long, bared at the tip								
	(Shield wire is not connected to the mainframe.)								
Mechanical Properties									

φ A Mechanical Prop

LCW-E-S



Model	Rated Capacity	Natural Freq. (App.)	ϕ A	ϕ B	ϕ C	ϕD	ϕ E	F	ϕ G	Н	J	K	Weight (App.)
LCW-D-1MNS	1 MN	16 kHz	241	202	178	140	190	M8 d=8	8	64	_	_	7 kg
LCW-D-2MNS	2 MN	14 kHz	355	307	277	230	292	M10 d=10	12	70	_	_	15 kg
LCW-D-3MNS	3 MN	15 kHz	355	314	270	230	292	M10 d=12	20	70	_	_	17 kg
LCW-D-5MNS	5 MN	16 kHz	355	312	252	210	282	M10 d=12	20	70	_	_	20 kg
LCW-E-1MNS	1 MN	16 kHz	241	202	178	140	190	M8 d=8	8	64	16	155	7 kg
LCW-E-2MNS	2 MN	14 kHz	355	307	277	230	292	M10 d=10	12	70	18	213	15 kg
LCW-E-3MNS	3 MN	15 kHz	355	314	270	230	292	M10 d=12	20	70	18	213	17 kg
LCW-E-5MNS	5 MN	16 kHz	355	312	252	210	282	M10 d=12	20	70	18	213	20 kg