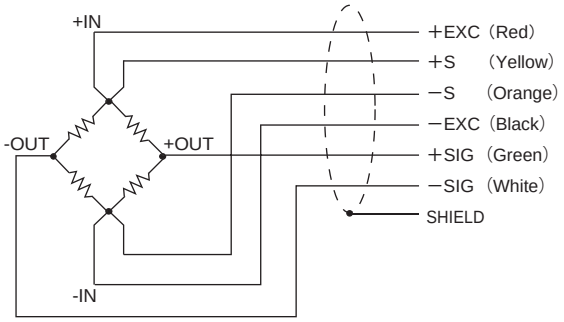
USB58

HIGH ACCURACY TENSION/COMPRESSION TYPE LOAD CELL



Wiring Diagram

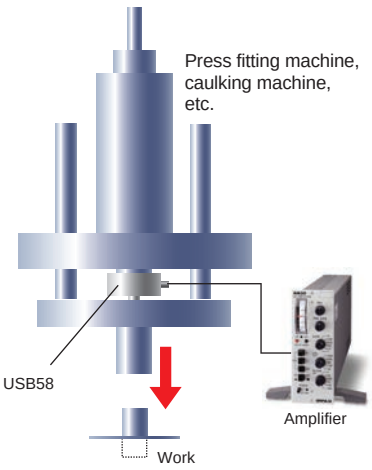


We have achieved non-linearity, hysteresis and repeatability of 1/10000.

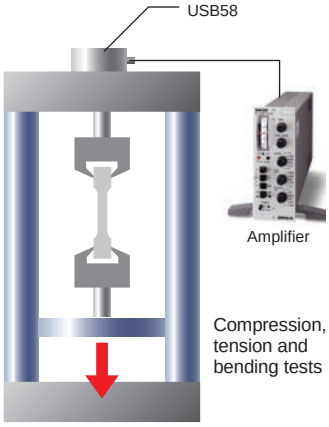
Specifications

Model	USB58-200N, USB58-500N	
Rated capacity	200, 500	N
Rated output	1±1%	mV/V
Safe overload	150	%R.C.
Zero balance	±2	%R.O.
Non-linearity	0.01	%R.O.
Hysteresis	0.01	%R.O.
Repeatability	0.01	%R.O.
Creep	0.03	%R.O./30min
Operation temperature range	−10 to +70	℃
Safe temperature range	−30 to +80	℃
Temperature effect on zero	0.015	%R.O./10℃
Temperature effect on span	0.015	%R.O./10℃
Input resistance	1050±15%	Ω
Output resistance	1050±1%	Ω
Recommended excitation voltage	10	V
Maximum excitation voltage	20	V
Insulation resistance	1000 or more	MΩ
Cable	ϕ5 6 conductor shield cable 5m End treatment 7 leads.	
Load cell material	Aluminum alloy	

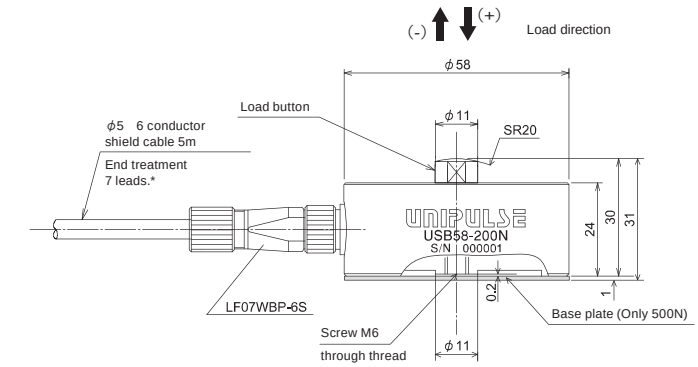
For calibration of high-precision machines



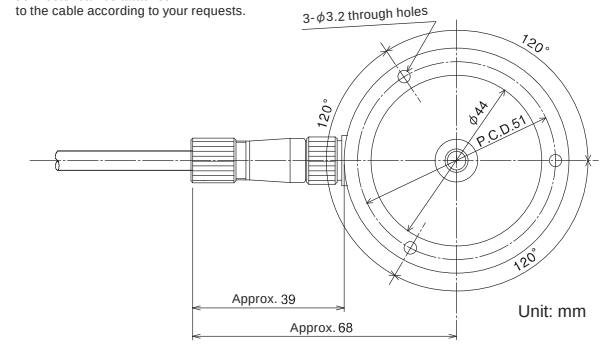
For material testing



External dimension



* Connector can be attached to the cable according to your requests.



Unit: mm

Model	Deflection at rated	Natural frequency	Weight
USB58-200N	0.025mm	2kHz	120g
USB58-500N	0.025mm	2kHz	120g