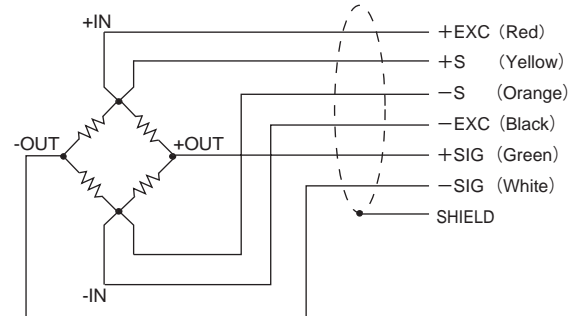


# USB58

## HIGH ACCURACY TENSION/COMPRESSION TYPE LOAD CELL



### ● Wiring Diagram

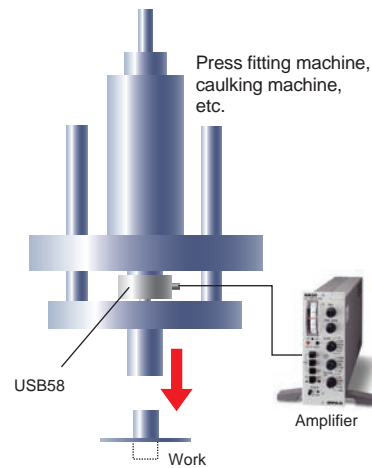


**We have achieved non-linearity, hysteresis and repeatability of 1/10000.**

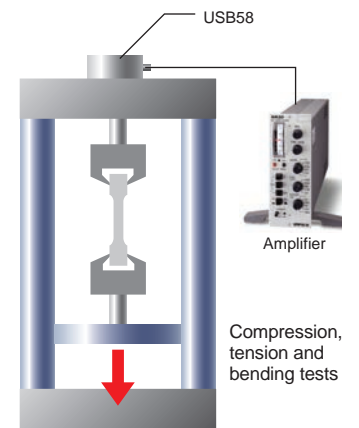
### Specifications

Model	USB58-200N, USB58-500N	
Rated capacity	200, 500	N
Rated output	1±1%	mV/V
Safe overload	150	%R.C.
Maximum safe overload	200	%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	°C
Safe temperature range	-30 to +80	°C
Temperature effect on zero	0.015	%R.O./10°C
Temperature effect on span	0.015	%R.O./10°C
Input resistance	1050±15%	
Output resistance	1050±1%	
Recommended excitation voltage	10	V(AC,DC)
Maximum excitation voltage	20	V(AC,DC)
Insulation resistance (DC50V)	1000 or more M	
Cable	φ5 6 conductor shield cable 5m End treatment 7 leads.*	
Load cell material	Aluminum alloy	

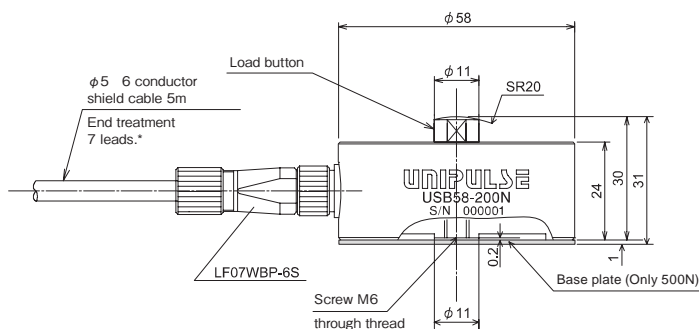
### ● For calibration of high-precision machines



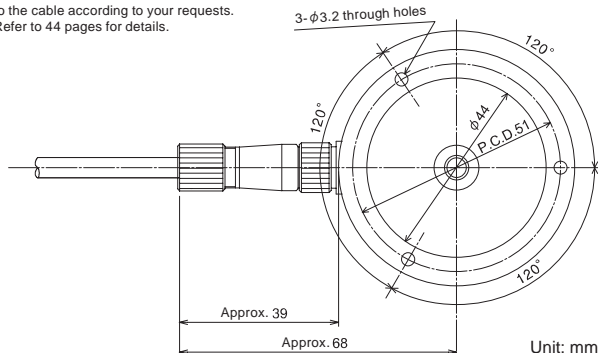
### ● For material testing



### External dimension



\* Connector can be attached to the cable according to your requests. Refer to 44 pages for details.



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