

UL series



Feature

A low capacity, universal, bending beam load cell. The UL is excellent when small force measurements are required.

Table of P/N

Parts No.	Rated Capacity
UL-2GR	19.61 mN {2 gf}
UL-10GR	98.07 mN {10 gf}
UL-20GR	196.1 mN {20 gf}
UL-50GR	490.3 mN {50 gf}
UL-100GR	980.7 mN {100 gf}

Specifications

Rated Capacity	19.61 mN{2 gf} to 980.7 mN{100 gf}
Safe overload	130 %R.C.
Ultimate overload	130 %R.C.
Rated output	1.75 mV/V \pm 0.35 mV/V (UL-2GR : 0.5 mV/V \pm 0.1 mV/V)
Non-linearity	0.3 %R.O.
Hysteresis	0.3 %R.O.
Repeatability	0.3 %R.O.
Excitation, recommended	3 V or less
Excitation, maximum	6 V
Zero balance	\pm 0.175 mV/V(UL-2GR : \pm 0.05 mV/V)
Input resistance	270 ohm \pm 40 ohm
Output resistance	270 ohm \pm 40 ohm
Insulation resistance	1 000 M-ohm or more(DC50 V)
Temp. range compensated	0 °C to 50 °C
Temp. range safe	-10 °C to 60 °C
Temp. effect on zero balance	0.5 %R.O./10 °C
Temp. effect on output	0.5 %LOAD/10 °C
Cable	4-cores parallel vinyl 60 cm wire directly attached. Cable end is separated.
Class of protection	IP30
Durability	1 000 000 times with rated load applied.