

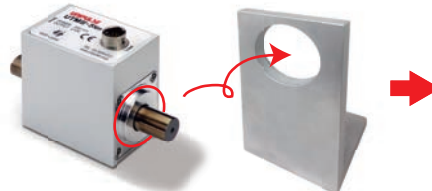


Centering location type suitable for mounting

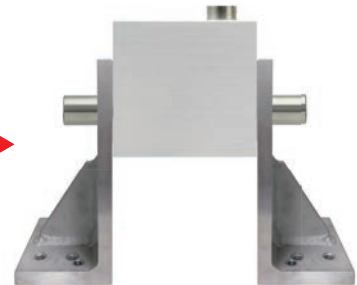


CE RoHS2

- Wants center point of axis as reference for installation
- Wants to stop vibration & fix main unit
- Other reasons that require to fix main unit
- Installation example



Insert the extended part.

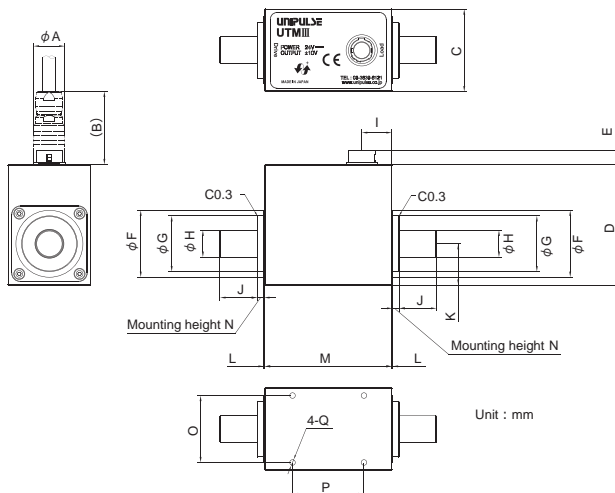


Can be mounted with excellent centering effect.

* For this setup use double disc couplings on both sides.

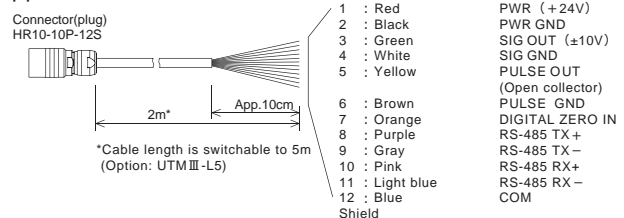
* If main unit starts to rotate, install stopper while avoiding excessive force on the main unit.

■ UTMIII-0.05Nm (C) to 500Nm (C)



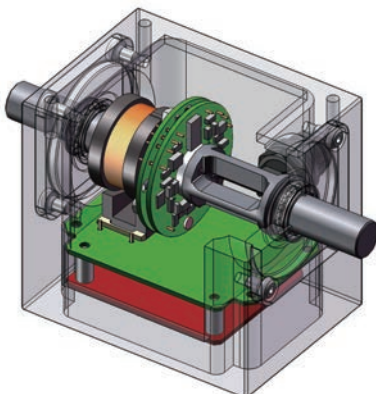
Measurement range	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	Weight
0.05								5h7		6.8		0.2	54					App.150g
0.1			32	49		25	20h7		12		16				26			
0.2								8h7		11.8						32	M3 depth5	App.170g
0.5																		
1																		
2																		
5	14	31.5			6.1	30	25h7	12h7	13.5	16.7	18.5	0.3	57			30		App.260g
10			37	54														
20			47	63		41	36h7	20h7	23	36.5	46.5	24				40	40 M3 depth6	App.690g
50																		
100			56	63.5		48	40h7	25h7		51.5	28	0.5				46	38	App.1.07kg
200			61	68		51	45h7	30h7	18.5	56.5	30					50		App.1.46kg
500			71	78		62	55h7	40h7		70.5	35					63	M4 depth 8	App.2.57kg

■ Supplied cable



2:PWR GND, 4:SIG GND & 6:PULSE GND are separate isolated ground.
2:PWR GND & 12:COM are connected internally.

Mechanism of UTM series



UTM adopts strain gauges for detecting torsional strain, which is converted into an electric signal by a strain amplifier fixed on the rotating shaft. Electric power for the rotary electronics is supplied continuously through a wireless power system originally developed by UNIPULSE. The detected torque signal is converted into a digital signal, and it is transmitted to the main-frame electronics via a light signal. The rotating shaft is suspended with only two small bearings, resulting in very low rotational friction.

