HIGH ACCURACY
CENTER OF GRAVITY MEASUREMENT SYSTEMS

The K-KMC-H series Precise Center of Gravity Measurement Systems have been used by the leading aerospace & defense industry institutions across the world, from Far East to USA, with great satisfaction. These state-of-art systems have the following advanced features:

- Ability to perform real-time center of gravity measurement of aircraft, spacecraft, rockets, missiles, weapons, ammunition, pod, avionics, gimbals, radars, military equipment and other defense industry equipment.
- User-friendly interface, heuristic calibration algorithm, patented C.G. calculation algorithms, special DOF-enabling advanced bearings, etc.

TECHNICAL SPECS

Model	Instrument Type	Weight Limits *	C.G. Accuracy **	Weight Sensitivity ***
K-KMC-H-XXV	Real-Time 2-D C.G.	1-25 kg	± 0.25 mm	± 0.03 kg
K-KMC-H-CC	Real-Time 2-D C.G.	10 -100 kg	± 1.0 mm	± 0.10 kg
K-KMC-H-CD	Real-Time 2-D C.G.	40 -400 kg	± 1.5 mm	± 0.40 kg
K-KMC-H-M	Real-Time 2-D C.G.	100 - 1000 kg	± 3.0 mm	± 1.00 kg
K-KMC-H-MMD	Real-Time 2-D C.G.	250 - 2500 kg	± 4.5 mm	± 2.50 kg

**: Maximum weight of the specimen and fixture structure combined can be allowed as %125 of F.S. (Full Scale)*
***: C.G. accuracy is calculated from the minimum specimen weight (worst case) and contains not only the C.G. sensitivity but also all the sources of uncertainties arising from inclinations, positioning errors, mechanical errors, etc. Hence accuracy can be expected to be much better under more favorable measurement conditions.*
****: Center of gravity measurement devices has special sensor configurations different from weighing scales, therefore are not ideal for sensitive weight measurement.*

Please contact us for more information and for different requirements.

Karakamlar Aerospace and Defense Industry Inc.
2224. Cad. No:1 E-Blok 108 Teknopark Ankara, Yenimahalle/ANKARA/TURKEY
+90 312 385 88 20 – contact@karakamlar.com – www.karakamlar.com