

FAQ

What is the difference between a 755 and a 760?

The main difference between the 755 and the 760 is sample size access and overall magnetometer length.

The 755 is for discrete or u-channel samples and the access size is 4.2 cm. and the length is 78 cm with a 32 cm outside diameter.

The 760 can measure discrete and u-channel as-well as long core samples up too 7 cm diameter and the access size is 7.6 cm. The magnetometer length is 100 cm with the same outside diameter of 32 cm as the 755.

For standard 2.5 cm discrete samples the 760 is half as sensitive due to its larger access size and consequently it larger pickup coil diameter.

If you wish to measure larger samples than about 4 cm diameter then you need to purchase a 760.

If you wish to measure larger samples, than we would need to customize the access size to 8.2 cm .

If you plan to primarily measure only discrete and u-channel samples than a 755 system is more sensitive and will be the best choice.

A secondary consideration is the magnetic field produced by the degauss coils and the IRM solenoid. As the system access size increases the maximum fields obtainable decreases as given below:

4.2 cm access (755) degauss transverse fields = 1800 oersted max and IRM = 10,000 oersted max

7.6 cm access (760) degauss transverse = 900 oersted max and IRM = 5,000 oersted max.

We will be pleased to discuss any of these items and requirements in much more detail as you require.