

The table below summarise the compatibility of the various Bartington fluxgate sensors with the range of Bartington power supplies and acquisition units.

Where a single-ended/differential setting is found on the unit, the mode in which the unit should be set for a particular sensor is shown.

	PSU1	Magmeter-2	Spectramag-6	Decapsu	SCU1	Decaport/DAS1
Mag-03	SE	SE	Yes	Yes *	SE	SE
Mag-13	DIFF	DIFF	Yes	Yes	DIFF	DIFF
Mag690	SE	SE	Yes	Yes *	SE	SE
Mag648	DIFF	DIFF	No	Yes	DIFF	DIFF
Mag649	DIFF	DIFF	No	Yes	DIFF	DIFF
Mag651	DIFF	DIFF	No	Yes	DIFF	DIFF
Mag612U	SE	SE	Yes	Yes *	SE	SE
Mag619U	SE	SE	Yes	Yes *	SE	SE
Mag639	SE	SE	Yes	Yes *	SE	SE
Mag670	SE	SE	Yes	Yes *	SE	SE
Mag646	SE	SE	Yes	Yes *	SE	SE

- * adaptor cable required
- SE Single Ended/Unbalanced
- DIFF Differential/Balanced

For the Mag639, some limitations of performance will occur with most units. Due to its higher bandwidth and higher supply voltage requirement, the use of the acquisition units shown above will either trigger a range limitation (max range ~90uT rather than 100uT) and/or a bandwidth limitation as all units have a Low Pass Filter set to a maximum of 10kHz (Mag639 has a 12kHz bandwidth).