

TriField Flat versus Weighted Frequency Response

Weighted: The standard TriField Meter has a weighted frequency response that corresponds to the potential current that would be induced into a body. As the frequency doubles, the amount of current induced onto the body, over the same period of time, also doubles. The center frequency is 50Hz or 60Hz specified at the time of order to correspond to the line frequency in your area/country.

If the 60Hz meter is in the presence of a 60Hz AC magnetic field with the energy level of 10 milligauss. The meter will register 10 milligauss. If the same trifled meter is in the presence of a 120Hz AC magnetic field with an energy level of 10 milligauss, the meter will register 20 milligauss, indicating the relative induced energy impact on the body.

Flat: The flat TriField meter measures the energy level present independent of the frequency of the energy, provided that the frequency of the energy is between 30Hz and 1000Hz. This meter is recommended for applications that are not related to the potential induced energy impact on a human body.

Frequency of a AC Magnetic Field with a level of 10 milligauss	Standard TriField 60Hz Meter Response	Flat TriField Meter Response
30Hz	5 Milligauss	10 Milligauss
60Hz	10 Milligauss	10 Milligauss
120Hz	20 Milligauss	10 Milligauss
240Hz	40 Milligauss	10 Milligauss
480Hz	80 Milligauss	10 Milligauss

Frequency of a AC Magnetic Field with a level of 10 milligauss	Standard TriField 50Hz Meter Response	Flat TriField Meter Response
30Hz	6 Milligauss	10 Milligauss
50Hz	10 Milligauss	10 Milligauss
100Hz	20 Milligauss	10 Milligauss
200Hz	40 Milligauss	10 Milligauss
400Hz	80 Milligauss	10 Milligauss