

Figure 1 is a vector diagram illustrating the relationship between the magnetic field vector B and the magnetic flux density vector B_m . The diagram shows a vector B pointing upwards and to the right, and a vector B_m pointing downwards and to the right. A scale bar at the bottom indicates values from 0 to 50 mT. The legend below the scale bar defines the vectors: B (black arrow), B_m (white arrow), V (black arrow), and A (white arrow).

