

磁阻法测厚仪



HCC-24 is a portable thickness meter based on the principle of magneto-resistivity (relevant standard is ISO2178). It can be used to measure the layer thickness of non magnetic conductive coating or plating covered on the magnetic conductor base, such as zinc-, chrome-, tin-plating, or enamel coating on the steel or iron. By multi-spots measuring, it can give out the statistical results, such as mean, maximum, minimum, standard deviation, measuring times etc, and judge uniformity of the layer. The probe of the meter is made of abrasion resistant hard metal, and with the structure of a spring sleeve, which enables measuring on hard and rough surface, and guarantee the uniform pressure on the object and stable reading.

仪器 采用磁阻法原理，测量导磁材料上的非磁性涂（镀）层厚度，如钢铁材料表面的锌、铬、锡镀层及油漆，搪瓷涂层。经多点测试可判断涂层是否均匀，并可显示出以下参数：平均值、最大值、最小值、标准偏差、测量次数。具有耐磨硬质金属探针的弹簧套管式探头，不但能在坚硬或粗糙的表面上进行测量，而且能保证测头具有不变的压紧力和稳定的取样值。

技术参数 (Specification)

- 极限面积 (Min area of the object) : 30mm × 30mm
- 曲率半径 (Min curvature radius) : 15mm
- 测量范围 (Measuring range) : 0 μm ~ 1200 μm
- 测量误差 (Error) : $\leq \pm (3\%H+1) \mu\text{m}$