Model DAC-IR-3
DIRECT READING IRON LOSS TESTER

Specifications

Specimen	Electromagnetic Steel Sheet (Non-oriented and Grain-Oriented Core)
Thickness of Steel Sheet	0.05 - 0.90 mm
Measuring Range	0.10 - 19.99 W/kg 0.045 - 9.000 W/lb
Flux Density	1T, 1.5T, 1.7T (selectable)
Accuracy	±5% (Compared with the measured value of JIS and ASTM Epstein Fram Test)
Frequency	50Hz / 60 Hz (Synchronized to power supply frequency)
AC Source	AC100V - AC240V
Size and Weight	W189 x H103 x D287 mm, approx. 5.0kg
Option Accessory	Thermal Printer

Components

Main Units ---------- 1 unit
Standard Core (S&G) for Calibration ---------- 1 pc each
Standard and Small Probe ---------- 1 pc each
Probe Cord ---------- 1 pc
AC Main Cord (with earth lead and 3P inlet) ---------- 1 pc

Option Accessory: Thermal Printer Model BL2-58SNWJC-SK
W93×D125×H70(mm) Approx. 265g

Thermal Printer
Model BL2-58SNWJC-SK

REMARKS:

SOKEN Magnetic Characteristics Measuring Equipments are adjusted to closely match the values obtained by Epstein Frame Test as long as your test samples meet the conditions as below.

Direct Reading Iron Loss Tester (Model DAC-IR-3)

1) Test samples should be larger than 40mm×40mm, and have a smooth, flat surface.
2) Test samples without warp, twist, or shear deformation.
3) Measure several test samples, and take the average

AC Electrical Steel Sheet Tester (Model DAC-BHW–5)

1) Test samples with width of 30mm and length of 100mm or more, cut using a typical shearing machine (warping of 20μ or less, shear angle of 1°)
2) For grain-oriented cores, anneal it in the way recommended by the steel manufacturer.
3) Test samples without warp or twist.
4) Measure several test samples, and take the average

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