The wire rope tester permits quick and accurate inspection of wire rope.

Wire rope has been widely used in various fields of the industry, playing a very important role in the field of industrial cargo handling. Maintenance of the soundness of wire rope is extremely important, and precise maintenance and control are to be needed. The wire rope tester "MF550", with high disconnection detection accuracy, as well as excellent functions and handleability, materializes a quick, highly reliable diagnosis of various kinds of wire ropes.
Reliable detection of disconnection in both the inner and outer layers

The flaw detection technique based on the leakage flux method accurately detects the disconnection of the element wires of wire rope. The technique accurately detects internal disconnection that cannot be detected visually, as well as invisible parts hidden by rope oil or attachments, and records the flaws as waveform data.

Simple and excellent handleability

Wire rope is put through the detector for measurement. The detector does not require a power cord, and the detector permits accurate measurement of wire rope in a simple manner after minimum adjustment.

Lightweight and compact design

The compact and lightweight detector can be installed in any equipment. Installation of the detector in places where people cannot enter allows risk-free inspection of wire rope.

Easy recording, reproduction, and storage of data

The controller equipped with a memory function permits easy recording, reproduction, and storage of data. The obtained waveform data can be imported into a personal computer using a standard program for easy analysis. The waveform data can be converted into Excel data.

Equipped with an analog output terminal (BNC terminal)

The controller is equipped with an analog output terminal (BNC terminal). Connect a recorder, oscilloscope, or the like (optional) to the terminal for confirmation of data on the spot.
製品仕様
Product specifications

磁化検出器

測定対象ロープ 磁性体ワイヤーロープ
適用ロープ径 ⑦10mm〜50mm
動作温度範囲 -10℃〜50℃
寸法(mm) 218(D)×178(H)×170(W)
重量 約6.0kg
磁化方式 希土類永久磁石による直流磁化

※ロープ様に添った検出器ユニット、磁極ポイントユニットが必要となります。

制御器

型式番号 TW2-2000V-CF クレーン用
メモリー 本体内蔵フラッシュメモリー（非揮発性4MB）
デジタル：USB1.1 準拠コネクタ（TYPE B）
パルス：リレー出力（1C接点）
電源 AC/AC100V入力部（6V 2A）
電池：単4電池4本（アルカリニッケルマンガン充電池）
外形寸法(mm) 130(D)×130(H)×160(W)
重量 約2.2kg

Magnetization detector

Rope subject to measurement Magnetic wire rope
Applicable rope diameter 10mm to 50mm
Operating temperature range -10℃ to 50℃
Dimensions (mm) 218(D)×178(H)×170(W)
Weight Approx. 6.0 kg
Magnetization method Direct current magnetization by rare earth permanent magnet

* A detector unit and a resin guide unit that match the rope diameter are necessary.

Controller

Type No. TW2-2000V-CF for cranes
Memory Flash memory built in the main unit (non-volatile: 4MB)
Output terminal Analog: BNC
Digital: USB1.1 connector (TYPE B)
Power AC: 100 V AC adapter (6V; 2A)
Battery: Four AA size batteries (Alkaline-nickel-manganese, battery charger)

Head Office

Nihonbashi Front Bldg. 3rd fl, 3-6-2 Nihonbashi i Chuo-ku, Tokyo 103-8306
Phone: +81-3-6366-7733 FAX: +81-3-3278-6870

Shanghai Office (Republic of China)

RV2011 Newtown Center No.83 Lou Shan Guan Road, Shanghai
Phone: +86-21-6236-8788 Fax: +86-21-6236-8768