

## ■ SH1001 Digital Hand Dynamometer (DHD-1)



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### • PRODUCT EXPLANATION

**SAEHAN DHD-1 Digital Hand Dynamometer - with DTS Utility for transferring test results**

**DHD-1, DTS (Data Transfer Software) - Test results can be transferred to PC**

- The DHD-1 Digital Hand Dynamometer represents the latest electronic technology applied to the familiar design of hydraulic hand dynamometer.
- Utilizing electronic load cell transducers instead of hydraulic fluid mechanisms that are prone to leakage; the DHD-1 is extremely durable and designed to last for many years.
- Highly accurate grip strength measurement from 0-200 pounds (lbs.) or from 0-90 kilograms (kg) is digitally displayed on the LCD and up to 40 test results (20 test results for each hand) can be stored in memory.
- The built-in battery is long lasting and is easily recharged when connected to a PC using the USB cable included with the DHD-1.
- The DHD-1 includes Data Transfer Software (DTS) enabling test results to be downloaded to a PC.
- SH1001 DHD-1 Digital Hand Dynamometer in Carrying Case.

The DHD-1 Digital Hand Dynamometer (SH1001) is a stand-alone device developed to be used just like our traditional hydraulic hand dynamometers. With the added capability to save strength testing results in memory, strength testing can be performed and the results reviewed and recorded after all tests are completed. When connected to a PC using the USB cable, the Data Transfer Software can transfer the stored test results from the DHD-1 memory into text (.txt) files which can be easily accessed using Notepad or MS-Word for editing

and printing.

**The DHD-1 software (DTS) and user manual can be downloaded by selecting "Dataroom" under the "Customer Support" tab.**

The DHD-1 has three modes of operation: Setting Mode, Testing Mode, and Reading Mode. The buttons perform different functions depending on the current mode of operation.

Setting Mode is used for setting the date and time. The DATE and TIME of each test can be saved in memory with the corresponding test result. Testing Mode is used for testing grip strength and measuring the maximum grip force applied. Up to 20 test results can be saved in memory and referenced by test number which indicates the number of test results stored in memory for each hand. Reading Mode is used to display the test results for each Test Number saved in memory. Test results include the maximum grip force (MAX), DATE and TIME of individual tests as well as the average (AVG), standard deviation (SD), and coefficient of variation (CV) based all tests for the selected HAND.

Note : While reading the following sections, refer to the diagrams of the LCD to assist with learning the features provided by each button in different modes of operation and to fully realize the benefits of the DHD-1 Digital Hand Dynamometer.