



HITC
LUXEMBOURG

IPHT-DTBL Damping Table

ACCESSORIES TO IPHT



IPHT-RASB
Random Access Sample Buffer



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KEY FEATURES OF IPHT-DTBL

Damping table to reduce amplitude of low frequency vibrations

Optimised for maximum damping of the IPHT's most critical vibrations

Sized to take a basic IPHT tester only or an IPHT with the optional random access sample buffer RASB

Dimensions: 460 x 260 x 80 mm (W x D x H)

Weight: 11 kg

VIBRATION DAMPING TABLE

Individual pellet hardness testing is by its nature sensitive to external noise. This optional damping table is designed to protect the tester against excessive external vibrations, which may disturb the measurements.

A pellet typically breaks at only about 0.07mm/0.003" compression, which under ASTM conditions happens within 0.6 seconds compression time. The IPHT samples at 50 measurements per second to assure accurate determination of the compression curve and of the break point. For high measuring sensitivity and fast sampling rate, the possibility of filtering is therefore limited and external vibrations may disturb the instrument. The IPHT software automatically supervises vibration in the standby mode and it even prevents a test from starting if the mechanical noise is excessive.

Adding the damping table can thus relax the operating conditions, by suppressing the most unfavourable frequencies by up to 20dB.

ACCESSORIES TO IPHT

KEY FEATURES OF IPHT-RASB

Buffer for up to 14 samples with sequence of testing in any order as selected in control software

Pneumatics to automatically clean residues from the IPHT sample container after each test

No modification required on IPHT – only place into position and activate in software

Can be removed at any time to use IPHT as "simple" tester

Dimensions and Supply:
225 x 235 x 430 mm (W x D x H) - 15 kg
230/115 VAC, 50/60 Hz, 40 VA
air 4 bar, dry clean, 1 NI/min

SAMPLE BUFFER FOR CONTINUOUS AUTOMATED TESTING

This option can take 14 samples. It provides random access to any position as selected in the control software.

The carousel is motorized and automatically transfers the samples to the tester. A transparent cover ensures easy filling and visual control of all positions and prevents accidental spillage.

The RASB connects via the IPHT's secondary serial port and is controlled by the IPHT's control software. The software supports test planning through instructions where to fill-in which sample according to your specific "Test List". Furthermore, the software allows a high degree of flexibility in conducting tests: tests can be added, deleted or re-ordered, even while measurements are running. A running sequence can be interrupted and tests can be inserted without actually going through the buffer.

CONTACT

HITEC Luxembourg S.A.
5, rue de l'Eglise
L-1458 Luxembourg
www.hitec.lu

Tel: +352 498478-1
Fax: +352 401303
sales@hitec.lu

