

CALIBRATION SYSTEM FOR SOUND LEVEL METERS

CALIBRATION PLATFORM TYPE 3630 WITH SLM CALIBRATION APPLICATION TYPE 7763

The calibration of sound level meters is driven by legislative requirements. As the number of instruments requiring calibration increases, so the need for an efficient calibration system becomes more and more obvious. The Sound Level Meter (SLM) Calibration application for Type 3630 calibration platform complies with all relevant international standards and recommendations and is equally well-suited for use in national calibration laboratories and commercial calibration centres. The system combines state-of-the-art IT with Brüel & Kjær's proven experience in the calibration of instrumentation for sound and vibration measurement. Type 7763 SLM calibration application is not just an effective tool. The fact that the system is globally supported, easy to recalibrate and, not least, comes with a comprehensive user manual (that even includes the uncertainty budgets needed for accreditation purposes), means that customers get an impressive package for their investment.



FEATURES

- Automatic, semi-automatic or manual calibration of sound level meters
- Runs under Windows® 2000
- Flexible test-execution manager
- Integrated Calibration Manager's Workbench with traceability control customer database
- Predefined or user-defined calibration sequences
- Transparent user interface
- Test signals comply with IEC 60651 and IEC 60804
- IEC 61672 tests available as an upgrade
- Default acceptance limits set in accordance with IEC-type Sound Level Meters
- User-adaptable acceptance limits (OIML requirements)
- Taktmaximal Tests (DIN 45657)
- External electrical traceability via system's digital voltmeter
- External acoustic traceability via Multifunction Acoustic Calibrator Type 4226
- Built-in system verification of measurement quality
- Flexible Certificate of Calibration with detailed test report
- Fully integrated in the Microsoft® Office environment
- Tool to add new SLM types

OPTIONS

- On-site installation and training
- Maintenance contracts (hardware and software)

MAJOR SYSTEM ELEMENTS

Type 3560 C: Portable PULSE Analyzer with input/output and LAN module

Type 7700-N2: 2-channel PULSE CPB & FFT Analysis license

UL 0216-GB: System controller (Powerful Pentium® PIII computer with network card)

UL 0217-GB: Colour monitor

UL 0207-GB: Microsoft® Office XP Professional Edition

Type 2978: DMM Agilent 34970 (digital voltmeter)

2978 CAI: Accredited Initial Calibration of DMM

ZH 0246: Multiplexer Agilent model 37901 (set of 3)

KK 0055: System Rack

Type 3111: Output Module

Type 7762: Define new type and procedure for 3630 (software)

Type 7763: SLM Calibration Software

WA 0302-A: ½-inch Input Adaptor 12 pF

WA 0302-B: ½-inch Input Adaptor 15 pF

WA 0302-C: ½-inch Input Adaptor 18 pF

WA 0302-D: ½-inch Input Adaptor 20 pF

WA 0267: ½-inch Input Adaptor

Type 4226: Multifunction Acoustic Calibrator

4226 CAI: Accredited Initial

Calibration of Type 4226

Set of cables for system

interconnection

Complete System Manual

including Uncertainty Budgets

OPTIONS

4226 CAF: Accredited

Recalibration of Type 4226

2978 CAF: Accredited

Recalibration of DMM

BK 0058: On-site installation

BK 0060: On-site training

