

CS18 Optional Extras

Overview



In its standard configuration, every CS18 calibration system is optimized for a specific practical application. Its performance, however, can be extended by means of optional extras. Furthermore different system versions can be combined using the SRS-35 central precision electronic unit.

On customer's demand, dedicated options can be compiled and offered with the system.

Optional Extra	Description	Comments
CS18 ZK-STD	Accessories Case for Calibration Systems CS18 Acceleration	Includes, among others, a number of mounting adapters, a torque wrench, electrical adapters When installing a calibration laboratory, this bag should always be included in its basic equipment
CS18 ZK-HOP	Accessories Case for CS18(P) HS	Includes, among others, Replacement projectiles for the SE-221 HOP-HS, sensor cables, hearing Protections, When installing a CS18(P) HS, this bag should always be included in its basic equipment
Mobil	Transportation trolley for the CS18	Available for CS18 Secondary Calibration Systems except CS18 VLF
PC	PC, Desktop Computing System, DELL	Including 19" Monitor, USB-Mouse, USB-Keyboard, Windows XP Pro Software, Office 2007
TEDS	Calibration of DUT with integrated electronic data sheet IEEE P1451.4	Programming of calibration data in ICP® sensors. On request also applicable to piezo-resistive sensors
HL	High Load (heavy sensor weight)	Addendum to CS18 LF, allowing sensors with maximum weight up to 500 gram to be calibrated
Data Base	Linkage to database	Basic package of CS18 Software for linkage to a sensors or measuring instruments database of a customer, plus individual adaptation charged according to time needed.
PHASE	Phase calibration Determination of angle of phase difference	Phase calibration of sensors; in conjunction with optional extra CAL-Q-U-ICP® also applicable to charge and voltage amplifiers
CAL-Q-U-ICP®	Calibration of magnitude of gain of signal conditioners (including CAO reference capacitors)	Calibration of gain magnitude of charge, voltage, and ICP® amplifiers; in conjunction with optional extra PHASE also applicable to phase calibration of signal conditioners
MS-C	Multi-sine calibration of sensors	Time increase of efficiency of calibration by simultaneous excitation of several frequencies (Random)
PRIMUS	Hardware and software addendum to primary calibration ISO 16063-11	For upgrading a secondary system of type CS18 HF or CS18 VLF
PR	Integrated signal conditioner for providing direct connection to piezo-resistive sensors	Programmable sensor power supply to PR sensors and VC types; inclusive of software for the measurement of electrical parameters of PR sensors
AMC	Annual Maintenance Contract	The maintenance contract includes the annual recalibration of a CS18 system, the recalibration of a reference standard accelerometer, software updates for all supplied working modes and extended support
SEMINAR	One-day specialist seminar with training and introduction to a CS18 Calibration System	More courses of training in form of calibration seminars are offered by SPEKTRA every year.
MUB	Determination and compilation of an individual measurement uncertainty budget in the framework of supplying a CS18 calibration system	The MUB measurement uncertainty budget will be determined at the customer's site for the respective mode of operation and type of equipment by tests and investigations at the final place of operation
TRANS	a system for determining the transversal transfer coefficient as a function of operating angle	optional extra to a type CS18 VLF calibration system thus the measurement of $S_T(\varphi, f)$ as a function of angle and frequency
APS 0109	zero position controller for vibration exciters	zero position control of vibration exciters, operating in horizontal and vertical directions, monitoring of vibration displacement to avoid exceedance of maximum displacement

August 2009