



TO WHOM IT MAY CONCERN


Regarding to the participation of our authorized distributor T.E.A.M. Ltd. in the procedure an open public tender with the unique order number 00435-2023-0053, "Supply, Installation, and Commissioning of a Robotic BOD Determination System".

We, Skalar Analytical B.V., as a reputable manufacturer of Automated BOD analysis via its SP2000 robotic analyzer range, according to EPA 405.1/ISO 5815-1 declare that the system is capable of operation and fully cover the needs of the current standards ISO 5815-1. The system covers as a minimum the following features and specifications:

- suitable version for working with one electrode for BOD determination
- perform BOD analysis according to ISO 5815-1 or equivalent
- work with oximeter WTW, inoLab Oxi 7310 SET4, with Stirr Ox G oxygen electrode
- work with a standard round PET/PP bottle, with a vessel neck diameter of 20-40mm
- function to automatically refill the samples in the bottles in case of loss of volume
- automatic barcode reading function
- sample identification and sample volumes can be automatically entered into the sample table by importing from the LIMS or by manual entry
- automated placement of the dosing needles in the neck of the BOD bottle.
- automatically add "seed"
- automatically add water for dilution
- available to take a dilution sample amount less than or equal to 0.6 ml
- automatically insert the DO probe into the BOD bottle
- automatic aeration of the sample
- automatic homogenization of the sample
- automatic flushing of the sample needle, stirrer, and DO probe
- The analyzer can calculate the BOD value for each sample. Data can be displayed on the screen, printed, or exported as a file compatible with other software and LIMS
- Automated switching to the next bottle for BOD analysis until the entire sequence is completed
- Ensured continuous operation of the robot, automated and autonomously at night and/or during the weekend, fulfilling the pre-set conditions in the software
- Availability of 6 BOD trays, each for 12 BOD bottles (= 72 bottles)
- Availability of 4 sample trays, each for 6 sample bottles (= 24 bottles)
- Availability of an air compressor necessary for the movement of the system
- All necessary peristaltic pumps and tubes are included in the delivery
- After all BOD bottles in the BOD tray or sample bottles in the sample tray have been processed, the trays can be replaced with new ones, which can be done during operation without stopping the system.
- After incubation, the same table in the software used for the DO "day 0" reading is used to read and record the DO "day 5" result and the final BOD5 result.
- The software is able to calculate the BOD value
- The system is able to check for compliance with the results obtained for a given sample with predefined criteria for acceptance of the result and to select the "best" BOD value
- Presence of an alarm when the obtained values for samples and QC do not satisfy the set criteria
- Availability of an alarm for cases in which the temperature during the measurement was outside the set range.

- The device is completed and delivered with spare parts and consumables for installation and initial operation of the device
- The installation and implementation will be performed by T.E.A.M.'s authorized service engineers or SKALAR's Field Service Engineer.
- Term of delivery of the equipment, by 100 (one hundred) calendar days
- Term for installation, commissioning of equipment, development of method, and training of personnel, by up to 10 calendar days
- The warranty period of the equipment is 12 (twelve) months from the date of commissioning with 1 (one) preventive maintenance per year.
- Response time in case of damage - maximum 24 (twenty-four) hours

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