

NEWSLETTER

Tamson Instruments

July 2020

TV2000AKV replaced by TV4000AKV EASY

Tamson is excited to announce the new TV4000AKV, replacing the TV2000AKV. The modular TV4000AKV EASY is a measuring system that includes everything you need to take precise and reproducible automated kinematic viscosity measurements.

The TV4000AKV EASY is supplied with a single automated measuring channel. Filling and cleaning of the viscometer must be done manually. The AKV EASY is operated by a user-friendly touch screen and is capable of measuring the kinematic viscosity of samples that are suitable for Ubbelohde viscometers. This includes samples such as formulated oils, lubricants, diesel, hydraulic oils, additives, base oils, light fuels, waxes, crude oils and glycols. Eight different viscometers can be programmed in the system and up to 254 results are saved in the database and can be printed at any time. Each result consists of up to 99 runs. These runs can be done sequentially without interference from the user. The maximum time between two sequential runs is four hours. This allows the customer to test how the viscosity changes over time. The system determines the best repeatability from the measuring runs and supports calculation of the dynamic, relative and intrinsic viscosity.

Optionally, the TV4000AKV EASY can be equipped with two measuring channels (dual channel). End of 2020, Tamson will introduce a single measuring channel equipped with a semi-automated cleaning module. The system will rinse the viscometer with the manually inserted cleaning solvent.

Application

The TV4000AKV EASY is ideal for users that don't run a lot of different samples in a day but also don't want to do labor intensive manual determinations and it reduces operator to operator variability. The great advantage of the AKV EASY is that the system is flexible. Up to eight custom-made test configurations can be predefined. This allows users to adapt the system to their requirements. The number of runs, preheating time, maximum flowtime and acceptable deviation of flow time are examples of variables that can be preset.

Primary benefits of Tamson TV4000AKV EASY:

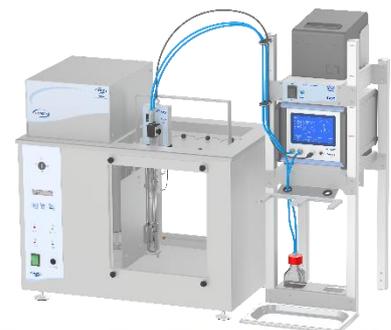
- Meets ASTM, IP, ISO and DIN standards related to kinematic viscosity
- Suitable for Newtonian fluids like lubricants, fuels and polymer solutions
- Easy viscometer exchange
- Chemically resistant to an extended range of fluids and solvents
- Extremely accurate temperature control using well-known Tamson TV4000MKII
- Very precise flow-time measurement independent of fluid type
- Little sample volume
- Budget sensitive way of determining viscosity
- User-configurable reports may be viewed, printed and saved
- Modular bath for easy maintenance access
- Use of suspended level viscometer allows single temperature calibration point, saving time and money on multiple calibration points
- Subjective measurement errors by operators are eliminated

Upgrade kit for installed base

Thousands of TV2000MKII, TV4000MKII, TV4000DC and OEM baths are used worldwide. For these baths, there is an upgrade kit available which makes it possible to upgrade the manual Tamson viscosity bath to an automated system using the AKV EASY.

TV2000AKV discontinued

With the introduction of the TV4000AKV EASY, production of the TV2000AKV has been discontinued. We can only supply our remaining stock. In case you have an actual project for a TV2000AKV, please contact us to discuss the possibilities. We will continue to support TV2000AKVs used in the field.



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