

### ACT: Active Control Technology

HKX, Inc. has developed a complete attachment control system for excavators. The Active Control Technology (ACT) system integrates all auxiliary hydraulic controls into a digital interface. ACT offers advanced control of oil flow, pressure and direction to attachments as well as supporting components like quick couplers (ACTqc), auto-lube and accumulators, all from an in-cab monitor.

The ACT monitor contains a database that is able to store an extensive library of pre-programmed attachments. With the push of a button, ACT automatically adjusts the machine's parameters to match the selected attachment's specs. This in turn, ensures optimum performance while drastically reducing setup time. The graphical and intuitive ACT monitor includes attachment-specific operation guides and safety precautions, promoting proper attachment operation, which prevents personnel injury and equipment damage.

ACT can extend the life of your equipment by recording precise attachment operation hours and/or cycles in the monitor's memory which can then be utilized for maintenance scheduling, warranty purposes and rental revenue.

Features include:

- Advanced attachment controls
- One-touch attachment setup
- Intuitive digital display
- Digital attachment operation guides
- Programmable attachment database
- Recordable attachment operation hours

Through the years HKX has continually brought new attachment control technology to the marketplace. In 2003, HKX introduced the Proportional Joystick which also included the ability to adjust oil flow settings from the cab. Since then HKX has added electronic oil direction (EFS) and oil pressure (EPS) control from the cab. These technologies not only offer advanced capabilities, they also increase productivity and safety by keeping the operator in the cab.

The new Active Control Technology (ACT) integrates all the before-mentioned technologies as well as supporting components like quick couplers (ACT<sup>QC</sup>), 2 pump merge and accumulators, all from an in-cab monitor.

The ACT system offers up to 50 different programmable attachments giving your excavator(s) the flexibility to do practically any job. With the push of a button, ACT automatically adjusts the machine's parameters to match the selected attachment's specs. This in turn, ensures optimum performance while drastically reducing setup time.

The graphical and intuitive ACT monitor may be programmed to include your attachment's specific operation guides and safety precautions. By promoting proper attachment operation, ACT can reduce the possibility of personnel injury and equipment damage.



## Benefits

- **Increase Productivity**
  - One-touch attachment setup
  - Reduce downtime relating to attachment setup
  - Optimum performance with every attachment
- **Increase Control**
  - Proportional joystick enables precision attachment control
  - Attachment settings adjust multiple machine parameters (flow, pressure, direction, 2 pump, etc.)
- **Reduce Operating Cost**
  - Eliminate need for on-site attachment setup
  - Track attachment operation hours to ensure timely maintenance
- **Increase Safety**
  - Application specific safety and operation guides promote proper operation (ACTqc)
  - Keeps the operator in the cab
- **Increase Flexibility**
  - Enables your excavator to operate up to 50 different attachments
  - Integrates existing HKX upgrade options
- **Increase Efficiency**
  - Integrates control of auxiliary oil flow, pressure and direction as well as secondary components
  - Pre-programmable attachment library stores specs and operation hours
- **Increase Revenue**
  - Recordable attachment operation hours enable additional rental revenue opportunity



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