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FlexTest GT

A proven control solution for complex multichannel, multistation material and component testing

The FlexTest GT digital controller features the power and flexibility to deliver high speed, real-time closed-loop control, data acquisition, function generation, and transducer conditioning for multichannel, multistation applications, allowing several test systems to be driven from one controller. It accommodates up to 32 modules that can be distributed among 8 channels and 4 stations as required, with the option to add 16 user programmable digital inputs and digital outputs.



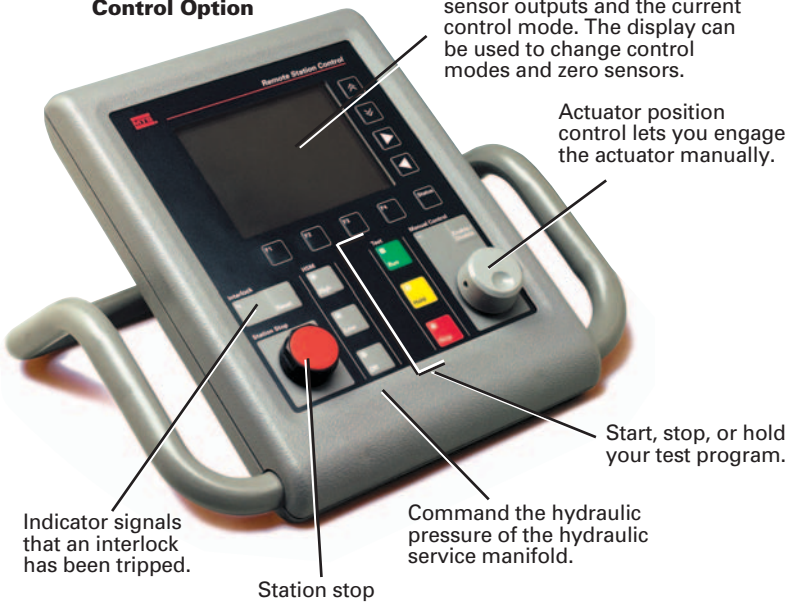
Hardware Driven Flexibility

The flexible design of the FlexTest GT lets you reconfigure the system easily as your needs change. By adding hardware modules you can expand your system's capabilities and customize it for a wide range of tests. This includes the ability to use externally conditioned signals as control modes. In addition, you can use D/A signals as low-rate control channels for signals like pressure or temperature.

Portable Remote Station Control

The optional Remote Station Control (RSC) provides a convenient, portable control interface for carrying out simple operations, such as specimen handling and test setup. The FlexTest GT requires an RSC to comply with CE safety standards for material testing applications. The RSC simplifies many operations, including operating the hydraulic controls, moving the actuator to mount specimens, and starting and stopping tests. In addition to hydraulic controls and an interlock indicator, it provides run, stop, and hold controls; a display screen and function keys; and an actuator positioning control for specimen loading. Once a specimen is loaded, transducers can be auto-zeroed from the computer, or from the RSC. For multichannel systems the actuator command toggles between axes. Multistation configurations require a dedicated RSC per station. The lightweight RSC can be located on the PC table or cart if this is near the load frame, or it can be mounted on a stand by the load frame if the PC is not located nearby.

Remote Station Control Option



Typical FlexTest GT Configurations

- One valve driver (2-stage or 3-stage) per control channel
- Two digital universal conditioners (DUCs) per control channel
- Digital inputs and outputs for HSM and HPU interlock

Popular Options

- Basic TestWare, MultiPurpose TestWare, TestWorks , and Fatigue and Fracture Software
- Additional DUCs
- Auxiliary A/D inputs
- Set of 16 digital inputs and 16 digital outputs for user-defined operation

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