

Universal Signal Conditioner - USC701

Is a one box does all that combines measurement and control functions in a single instrument and provides user selectable solutions for most signal conditioning applications including PID control.



- No changes in hardware are required to change input sensor type.

The USC has the following features:

- Two analogue inputs that can be programmed to measure ac/dc current or voltage, resistance, potentiometer, strain gauge and temperature
- Two pulse (digital) inputs that can be programmed to measure frequency or phase and also be used as control inputs to perform hold, reset and enable.
- One isolated proportional output that can be configured as an analogue output or a pulse output.
- Two independent relay outputs.
- Excitation output (voltage or current).
- Digital (bus) outputs.
- Calibration & set point variables.
- Arithmetic function variables.
- Four 101 point tables

The configuration can set up and altered by:

- The plug-on Access Module AM702 which has a 2 line by 8 character display and 5 push buttons and is menu structured for the selection of input/output/alarm, equation constants and selection of calibration information
- The plug-on Computer Adaptor COA703 that interfaces to the users PC which is loaded with the USC configuration software. This Software offers a user-friendly interface for the configuration and setting of a USC.
- A Select switch and encoder are accessible on the top of the USC which allow the user to alter a number of calibration parameters: Output zero & span and relay set points, dead band & time delays.