



## Model 1060AM Digital Smart Detector



### Description

The Model 1060AM is a smart radiation detector, designed for area monitoring. It is a printed circuit board which supports a wide variety of "front end" radiation detectors and provides electronic digital and analog information about the radiation environment to users.

The Model 1060AM collects, interprets, analyzes, stores and communicates radiation detector data from virtually all pulse generating radiation detectors such as Geiger Mueller tubes, proportional tubes, boron tri-fluoride tubes, and photo-multiplier tube / scintillators. To support these radiation detectors the 1060 provides a wide range high voltage suitable to operate most radiation detectors.

The 1060AM provides digital and analog outputs, and is a good citizen on a network. It operates independently or as a member of a larger system.

It is configurable by the user through serial software commands, either locally or remotely, and defaults upon power up or reset to predetermined operational characteristics which can be established and altered by the operator. Such defaults are stored in a non-volatile memory.

The Model 1060AM circuit board is only 2.8 by 8.8 inches (7.11 x 22.29 cm) in size and therefore requires a very small space for mounting.

It can be mounted in a variety of enclosures for many different environments.

It provides, via digital communication, raw and conditioned data from any or all of the inputs. It performs a wide variety of calculations on raw data, such as conversion to engineering units, and boxcar or exponential smoothing of data.

Up to 3 1060AM's can be networked to a computer with the WinSYS application program resident. WinSYS polls each 1060AM and displays the radiation value. An optional analog display is also available. The display scale is logarithmic.

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