

EON Newsletter

EON Instrumentation Interference Blanker Units

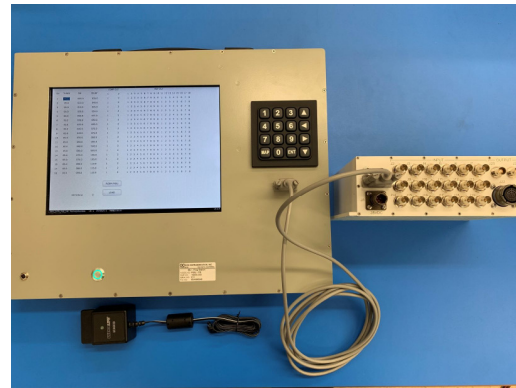
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For over 20 years Eon has designed and developed a variety of Interference Blanking Units for airborne and shipborne applications (LRU's that monitor platform RF transmitters and selectably blank receiver inputs from strong transmit pulses). Most of these LRU's use analog programming methods such as potentiometers to configure the blanking map (when to turn on/off) for the host of transmitters/receivers. In 2014, Eon in concert with the US Navy, designed a digitally programmable unit that controls 96 transmit inputs and 32 receiver blanking signal outputs – far too many for conventional analog control. This unit, known as the PCAB, has become the standard Blanking Unit for the Aegis EW weapon system and is being installed on all 300+ Navy Surface Ships that have Aegis installed.

Eon has extended the programmable capability to all of its smaller Interference Blankers. The PIBU-102 is an example of an 18 input 18 output unit that is configured with a Programming Station. The PIBU-PS, is a rugged portable hand carried computer/display device that can be used in the laboratory or the flight line, to generate blanking maps. The PIBU-102 is currently installed on multiple fixed wing, helicopter and small ship upgrades.



PCAB Blanker for the Aegis weapon system



PIBU-102 and Programming Station for less complex airborne applications

About Eon Instrumentation – Since 1961

Eon is a veteran owned multi-million dollar business that designs and manufactures military qualified products for airborne, shipborne, and ground vehicle platforms. These products include Analog and High Definition Digital Video Systems (splitters, converters, selectors, cameras, monitors and recorders); Interference Blanker Units; Rugged Power Supplies; Audio Amplifier Systems; and System Engineering Programs.

Eon Instrumentation and Covid-19

Eon will continue to provide regular on-time shipments and support to all of its customers .



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