

ANALOG OUTPUT AND ALARM OUTPUT FOR E-BAM

The power cable and the communication cable for the E-BAM has wires protruding from the cable which are terminated and tinned for other application use. The purpose of this bulletin is to differentiate between the two different applications.

The power supply (P/N 9438) has a white wire and a blue wire coming off the power connection cable for connection to an alarm. When an internal alarm is set, there is continuity between these two wires. The wires are connected to a relay internally and the connection is either open or closed between the two wires.

The communication cable (P/N 9321) has a black wire and white wire terminated in the same fashion. These wires protrude from the cable jacket and are for an analog output for the concentration. They are not connected to the 9 pin RS232 end. If used, these two wires should be connected to the input of an external data logger or other recording device to read the analog voltage output of the instrument.

Note that if these wires are confused and the alarm power is connected to the black and white wires of the analog voltage output on the communications cable instead of the blue and white wires on the power cable, there will be damage to the DAC chip, some op-amps and transistors on the internal board stack assembly. Damage of these parts is common to this type of error at the site. This type of damage is considered an operator error and is not a warranty defect. The end user must use caution and should consult the user manual for correct connection.

If you have any questions regarding this bulletin, please contact Mike Putnam in the Met One Service Department at one of the contacts below.

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