

MEMS 3000 GSM Operational Description

The MEMS 3000 GSM is an electronic monitoring device that is designed for two purposes:

- Alcohol breath testing
- Offender presence monitoring

The MEMS 3000 GSM comprises a 318MHz RF receiver, cellular modem, electro-chemical Breath Alcohol Tester (BAT) and a camera.

The offender monitored by the system is fitted with a bracelet transmitter that is received by the MEMS 3000 GSM. Violations to the offender's curfew schedule generate events that are uploaded to the central monitoring station via the cellular network.

Additionally, the offender is required to perform periodic alcohol breath tests. During the test, the offender is photographed and the image is transferred to the monitoring station along with the test results in order to verify the identity of the test subject.

The unit is powered by a 100-240VAC to 12VDC power adapter and includes a 7.2V 4Ah NiMH backup battery pack.