FieldServer
Technologies

FieldServer Driver - Serial
FS-8700-64
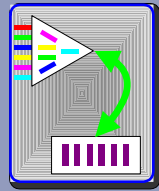# ATMI ACM Serial Driver

Devices Supported:

Device	Tested
ACM Simulation software.	Factory
ACM Gas Analyser	ATMI premises

Interface: RS-232 (RS-485 with converter) (Half-Duplex)
Baud Rates: 9600 (Corresponds to default ACM settings)
Data Bits: 8
Stop Bits: 1
Parity: None
Handshaking: None

- The ATMI ACM driver is a passive client driver.

- The ACM unit's serial port settings are configurable. The FieldServer device can be configured to match all ACM port settings.

- The ATMI ACM driver can process serial port data formatted as screens by the ACM unit, identify gas data and store the data in data arrays which may be addressed by other drivers loaded in the FieldServer device.

- The following gas data is available
    - Gas Values per Port/Area   (Integer)
    - Gas Values per Slot   (Integer)
    - Slot Warning State   (Binary)
    - Slot Alarm State   (Binary)
    - Slot Alarm / Warning combined.   (Binary)
    - Port Warning State   (Binary)
    - Port Alarm State   (Binary)
    - Port Alarm / Warning combined.   (Binary)
    - Current Slot Data
    - Current Port Data

    In addition the driver can store the most recent sample's data separately, reporting the port number and gas values.

- ATMI ACM driver can store malfunction data.

- This driver processes Normal Slot Scans with up to 4 areas, and also Composite Slot Validation Scans.

- Current Port and Current Slot data will be maintained in addition to regular port and slot data.

- One device per FieldServer serial port. This limitation arises as the ACM units are not addressable.

- Locked and Demand Scans can be processed.

Revision History

Date	Driver Version	Document Revision	Resp	Comment
	1.03	0	PMC	No revision information was provided for previous releases of this document. Made reference to slot/port gas values. Made reference to slot/port combo
10Apr03	1.04	0	DNC	Driver Enhancement: 1. On normal scan, driver will save values/warns/alarms for up to 4 ports per screen 2. On a decomposed screens port data will be updated for port that was referenced, no changed to slot info 3. Current slot info implemented. Data references last update to slot info.
14Aug03	1.04	1	JD	Releasing