

**FMC** Technologies



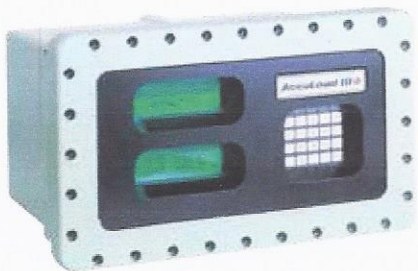
Measurement Products and Systems  
for the Oil and Gas Industry

liquid metering products

Electronics

# AccuLoad® III Controller

When operators select preset solutions for marketing terminals, the overwhelming choice is the Smith Meter® AccuLoad® III family of products. With the latest configurations, including the Split Architecture System and the AccuLoad II-to-III Upgrade package, terminal operators have even more options for maximum load control and flexibility.



AccuLoad III has ethernet and serial communications network compatibility for direct link to Terminal Automation Systems and the Smith Meter Card Reader. Ethernet connectivity complies with TCP/IP standards. Other communication features include modbus protocol, network printing and Promass meter communication.

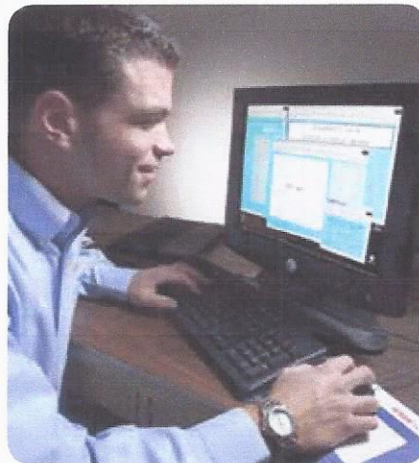
## Applications

- Preset loading, unloading and batching for trucks, railcars and ships
- Blending capabilities, management of grounding, overfill and additive control

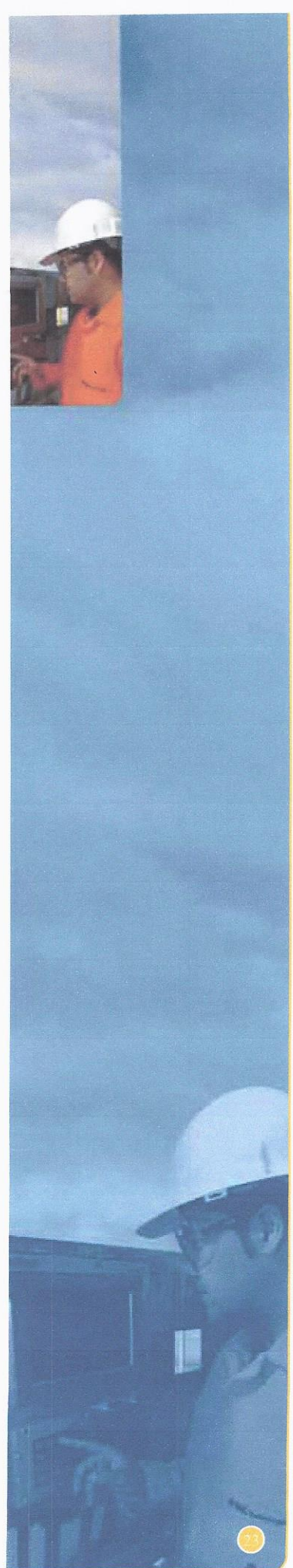
## Smith Meter® AccuLoad® III Controller

The AccuLoad III product line provides the power, flexibility and configurability required for today's highly efficient and regulated terminals. By offering a wide variety of loading arm configurations – mixing blend arms with straight product – AccuLoad III maximizes efficiency and product throughput like never before.

AccuLoad III offers a host of product blending configurations. Up to six products can be blended via either sequential or ratio methods. Enhanced additive controls include piston, standard metered or smart, as well as higher-volume additive with flow control.



(Continued on next page)



## liquid metering products

### Electronics

# AccuLoad® III Controller

#### AccuLoad® III-S or Q

AccuLoad III with ALX firmware is a microprocessor-based instrument that can be configured to control one to six loading arms, as either a blending or straight product device.



- AccuLoad III-S
  - Up to three single- or dual-pulse product meter inputs
  - Up to 14 additive meter inputs
- AccuLoad III-Q
  - Up to six single- or dual-pulse product meter inputs
  - Up to 24 additive meter inputs

#### AccuLoad® III-N4

AccuLoad III-N4 is a microprocessor-based instrument that is capable of handling up to two arms and three meters, and is approved for Class I, Division 2, Groups C&D locations.

- One- or two-arm simultaneous operation
- Up to three single- or dual-pulse product meter inputs
- Up to four additive meter inputs with local I/O and up to 24 additive meter inputs with remote I/O

#### AccuLoad® III-SA

The AccuLoad III Split Architecture System is a multiple-arm, multiple-meter measurement system allowing an entire lane or facility of up to 18 loading arms and 24 meters to be controlled and monitored with one system. Its components include a Man-Machine Interface (MMI) and Flow Control Module (FCM).



- Up to 24 single- or dual-pulse product meter inputs
- Up to 56 additive meter inputs with local I/O and up to 96 additive meter inputs with remote I/O
- Class 1, Division 2, Group C&D approved for general purpose rack mountable enclosure allows control room installation for any AccuLoad configuration

#### Upgrades

The AccuLoad Upgrade provides AccuLoad I and II users the latest technology with minimal installation costs.



**We put you first.  
And keep you ahead.**

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