

# MC3

# MC3 Electronic Volume Correctors



## Revolutionizing Gas Utility Operations

**DRESSER**  
UTILITY SOLUTIONS



# Customer centered products designed to revolutionize measurement

## MC3 Nexus and MC3 Guardian

Dresser Measurement proudly introduces the Dresser MC3 Nexus family of electronic gas volume correctors designed specifically to meet the current and future needs of North American utilities. Rooted in collaboration and co-creation, the MC3 suite of products provides the tools necessary to simplify operations and combat unnecessary operating costs.



MC3 Nexus ID

## MC3 Nexus and MC3 Nexus-ID









### Simplifying Measurement

The modern gas utility requires solutions extending beyond accuracy and reliability. The MC3 Nexus is deliverable customized, commissioned, and integrally mounted to your Dresser meter for immediate impact. As the information hub of the meter set, the MC3 Nexus line provides vital measurement and performance information for utilities allowing for tactical responses to varying operational situations.

Going above and beyond a standard volume corrector, the MC3 Nexus incorporates gas utility insights for unparalleled ease of use and adaptability to current and future communication needs.

### Rugged + Serviceable = Field Operations Friendly

Maintaining your corrector should not be difficult. To simplify your ownership experience, the MC3 Nexus transformed gas utility inputs into a unique, user focused product providing:

-  Metal enclosure for enhanced service life
-  Touchscreen parameter changes for quick updates
-  Straightforward meter installation process
-  Plug-and-play pressure transducers and temperature probes
-  Time saving proving of integral correctors
-  Dedicated communications battery for uninterrupted metrology
-  Simplified battery exchange
-  Convenient access via tablet, smartphone, or computer



## Contemporary Communications Platform

The MC3 Nexus provides a platform for accessible field information. Created to allow for today's communication and in preparation of the communication needs of tomorrow. The MC3 Nexus is Internet of Things (IoT) ready, opening boundless benefits.

The MC3 Nexus is a versatile communications hub which seamlessly interacts with commonly used communications

platforms. In recognition of the rapid advancements in communications, the MC3 Nexus also provides the interface for the next generation of embedded radio communications technologies. By simplifying the field conversion process, the MC3 Nexus provides the ability to integrate the newest in embedded AMI communications and extends the useful life of your asset.

# MC3 Guardian

## Protecting Operational Resources

Demand more from your meter set. Building on the foundation of the MC3 Nexus, the MC3 Guardian transforms a precision corrector into a cost savings operations tool. Addressing the challenges facing gas utilities, the MC3 Guardian is an ecofriendly solution to simplify operational processes.

## Revolutionizing Meter Operations

The MC3 Guardian allows for the modernization of traditional maintenance practices. The Guardian uses continuous monitoring of differential pressure and bi-directional communication capabilities to remotely monitor your meter's health. Now, utilities can use real-time information to modernize their expensive operational practices to maintain assets only when necessary – not by schedule.

With the MC3-Guardian platform, gas companies benefit from:

- Predictive maintenance results in reduced operating costs
- Fewer truck rolls lower costs and carbon emissions
- Simplifies compliance of meter differential (DP) test reporting
- Increases return on assets through right sizing and extended meter service life

## The current list of compatible interfaces includes:

- Internal modem (Various manufacturers)
- Itron MV-90 xi
- Autosol ACM 8.0
- Cellular modem compatible
- IrDA, Bluetooth communications
- IPV4 ethernet ready
- CoAP ready (Web Protocol for IoT)



## Ease of Use Elements:

- Multi-line display interface for improved readability
- User programmable screens
- Descriptive alarms for immediate, actionable response
- Adaptable to common meter types
- Non-volatile memory and audit trail for data integrity (EEPROM)
- Intuitive user-friendly interfaces (Apple iOS, Android and Windows)
- Field friendly maintenance access
- Rapid proving of rotary meters with integral correctors
- Dedicated, web based support site

## Interface Options:

- IrDA, Bluetooth and Serial communications
- Apple iOS, Android and Windows compatibility
- Up to 6 Form A, 2 Form B pulse outputs (Supports Form C)
- Compatible with Itron, Landis & Gyr, Sensus, Aclara, and other AMI/AMR devices

## Current Approvals and Ratings

- CSA C/US – Class 1, Division 2, Group D
- IP 66 and NEMA 4X

*\*Technical data subject to change without notice*



Snap a shot  
to learn more.

### Dresser Measurement

16240 Port Northwest Drive

Houston, TX 77041

T: 1-800-521-1114

F: 1-800-335-5224

© 2022 Natural Gas Solutions North America, LLC – All rights reserved. Dresser Utility Solutions reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your Dresser Utility Solutions representative for the most current information. The Dresser Logo and all Trademarks containing the term "Dresser" are the property of Dresser, LLC, a subsidiary of Baker Hughes.



MC3 Nexus Integral

## Practical Power Management

The MC3 Nexus provides time and cost savings by incorporating a two-battery design to extend battery life.

Starting with a 12-year metrological battery life, the MC3 offers innovative solutions to reduce truck rolls while maintaining measurement integrity. The ability to directly power the MC3 while using the metrology battery as a backup, ensures a maximum battery lifespan. Additionally, the dedicated communications battery and a simplified battery exchange further protects against lost measurement.

## Utility Centered Manufacturing... Its a Dresser Tradition

For over 100 years, Dresser meters have been synonymous with reliable measurement excellence and low-cost of ownership. As a premier solutions provider for the North American LDC segment, we understand the importance of partnering with our customers. With customer trainings and technical support available from experts, Dresser is a supplier of choice for all measurement and instrumentation needs. In the tradition of collaboration, Dresser Measurement will assist with set up and IT integration activities.



[www.dresserutility.com](http://www.dresserutility.com)