INTRODUCTION

The Magmaster™ provides high-precision electromagnetic flow metering for conductive fluids of >5 \( \mu \text{S/cm} \), in sizes of 2.5 to 2200mm (0.1 to 86 in.). It has state-of-the-art accuracy, repeatability and rangeability.

The MagMaster offers a choice of liners and electrodes, flange or wafer tubes, integral or remote electronics and an optional keypad display.

Standard outputs include fully-programmable analog output (0 to 21mA), dual pulse (forward and reverse), dual alarm (flow rate, fault conditions, etc) and a RS232 connection. Optional outputs include dual analog and RS422/423.

The MagMaster has been designed to eliminate traditional noisy signals in slurry applications. It has multiple self-monitoring and diagnostic functions, and a comprehensive test mode to test the system without interrupting the process or power.

SIMPLE READ AND RESET

- Top line of display indicates flow totals, velocity, % of range and alarm status. Second line shows flow rate.
- Applying wand to the left icon steps the top line display through this sequence:
  > Forward flow total
  < Reverse flow total
  * Net flow total
  Alm Alarms in sequence ('Alm Clr' when no alarms are activated)
  Vel Flow velocity
  % Flow rate as % of full scale range
- Applying wand to right icon resets the flow total displayed on the top line if parameter 73 (Tot Clr En) is enabled
- For keypad/display version, see separate Quick Reference Guide.

SECURITY ACCESS

Any of three security levels can be selected. In Levels 0 and 1, the operator is restricted to certain menus as listed below.

In Level 2, the operator has full access to all menus and can change passwords.

1> Read flow parameters, etc.
2> Set display options
3> Security access, passwords
4> Set flow parameters
5> Analog output
6> Pulse output
7> Set totalizer parameters
8> Alarm operation
9> Input contact
A> Empty pipe detection
B> Sensor data and calibration
C> Test operation

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