# MS6

## SONIC-PRO® Chemical Feed Flow Meter




### Features

> Inline pipe fittings for easy installation
> Isolated 4-20 mA output - fully configurable
> Process control via configurable solid state relay
> User configurable flow rate and total set-point triggers
> True unions for ease of maintenance

Video link:

NSF Certified to NSF / ANSI Standard 61

NEMA 4X

### Highlights

**Flow rate**
10 - 10,000 mL/min
.158 - 158.5 GPH

**Pressures**
200 PSI
(13.8 bar)

**Body material**
PVDF

**Pipe sizes**
½” Barb, ½” M/NPT,
½” PVC slip

**Display**
Meter mount

**Warranty**
5 Years

For more help and information regarding **MS6**, please visit www.blue-white.com or scan this QR code.

# Engineering Specifications



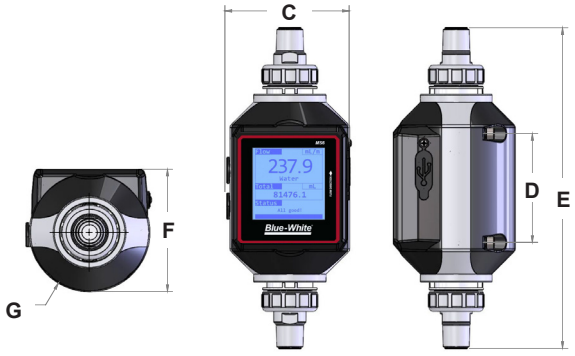
| General Operation | |
|---|---|
| **Compatible Fluid Types** | Acoustically conductive fluids, particulate and bubbles with 50,000 ppm or less |
| **Pre-Calibrated Chemical Profiles** | Water |
| | Aqueous Ammonia 10% |
| | Ammonium Hydroxide 30% |
| | Ferric Chloride 40% |
| | Sodium Bisulfite 40% |
| | Sodium Hypochlorite 12.5% |
| | Sodium Permanganate 40% |
| | Hydrofluorosilicic Acid 25% |
| | Ammonium Sulfate 10% |

| Blue-Central® Software: | |
|---|---|
| **Compatible Operating Systems** | Windows 10, 11 |
| | Mac (OSX 10.11/10.12/10.13/10.14/10.15) |
| **Software Features** | Configurable 4-20ma, Pulse Output, Frequency Output, |
| | Solid State Relay Set-Point |
| | Monitor flow rate in real time |
| | Monitor total volume in real time |
| | Monitor meter diagnostics |
| | Field Upgradable Firmware |
| | Factory Resettable |
| **Computer Connector** | USB-C (USB-A to USB-C cable included) |

| Electronics / Hardware SPU(Signal Processing Unit): | |
|---|---|
| **Power Requirements** | 5 VDC; 5 watts maximum |
| **Operating Temp.** | 14 °F to 104 °F (-10 °C to 40 °C) |
| **Storage Temp.** | -40 °F to 158 °F (-40 °C to 70 °C) |
| **Relative Humidity** | 0% - 90% |
| **Volume Units** | Independently configurable Rate and Total units in: U.S. Gallons, Liters, or Milliliters. |
| **Time Units** | Seconds, minutes, hours, days. |
| **Flow Rate Averaging** | Selectable: 1, 4, 8, 16, and 32 seconds. |
| **Data Outputs** | Isolated 4-20 mA output - fully configurable |
| | 0-1,000 Hz Pulse output - fully configurable |
| **Display** | Type: Liquid Crystal Display |
| | Backlight: White LED backlight |
| **Software Language** | English |
| **Process Control** | One Solid State Relay |
| | Load capacity: 24VDC, 100mA max (ex. supplied) |
| | Configure to flow rate for high/low/range rate trigger. Programmable release values enable auto release or manual latching operation. |
| | Configure to flow total for automatically triggered, timed batch operations for proportional feed applications. |
| **Power Supply (user configurable)** Includes each of the following: | U.S. Transformer, 115VAC 60HZ / 5VDC, NEMA 5/15 plug |
| | Europe Transformer, 230VAC 50HZ / 5VDC, CEE 7/V11 plug |
| | AU/ New Zealand Transformer, 240VAC 50HZ / 5VDC, AS 3112 plug |
| | U.K. Transformer, 230VAC 50Z / 5VDC, BS 1363/A plug |
| **Enclosure** | NEMA 4X (IP66) |
| **RoHS Complaint** | Yes |
| **Standards** | NSF/ANSI 61 |

# Dimensions

| Dim | Inch | cm |
|---|---|---|
| **A** | 3.8” | 9.7 |
| **B** | 10.0” | 25.4 |
| **C** | 3.9” | 9.9 |
| **D** | 3.4” | 8.6 |
| **E** | 10.02” | 25.5 |
| **F** | 3.8” | 9.7 |
| **G** | 3.7” | 9.4 |



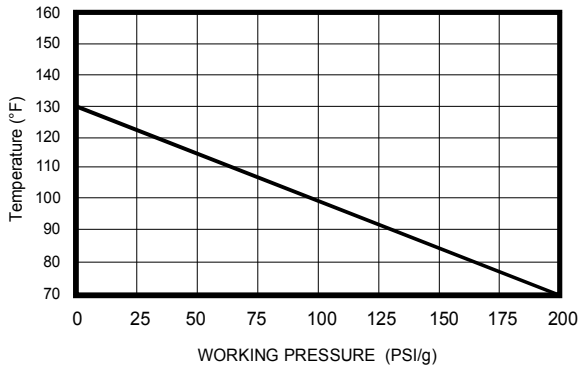

Meter Mount Display Meter Body

# Materials of Construction

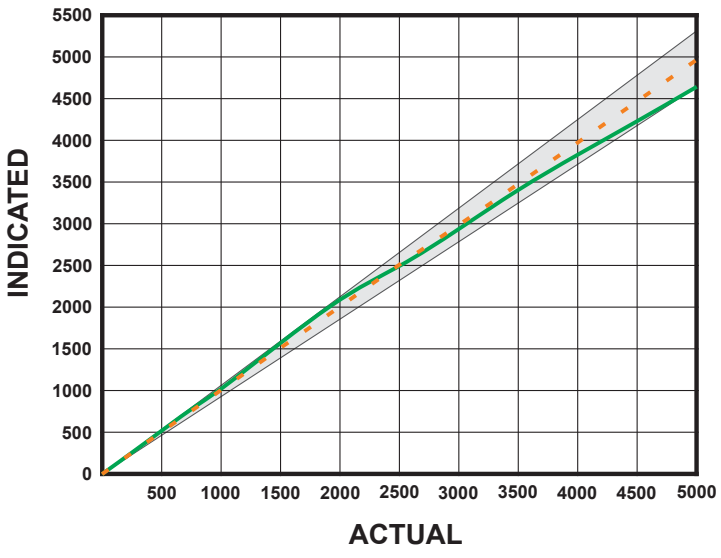
| | |
|---|---|
| **Wetted Components:** | |
| **Transducer:** | PEEK |
| **Body:** | PVDF & PEEK |
| **O-Rings:** | TFE/P (optional EP) |
| **Fittings (Included):** | PVDF 1/2” I.D. Barb |
| | PVDF 1/2” I.D. Barb Elbow |
| | PVDF 1/2” M/NPT |
| | PVDF 1/2” M/NPT Elbow |
| | PVC 1/2” Slip |

# Performance

TEMPERATURE VS PRESSURE



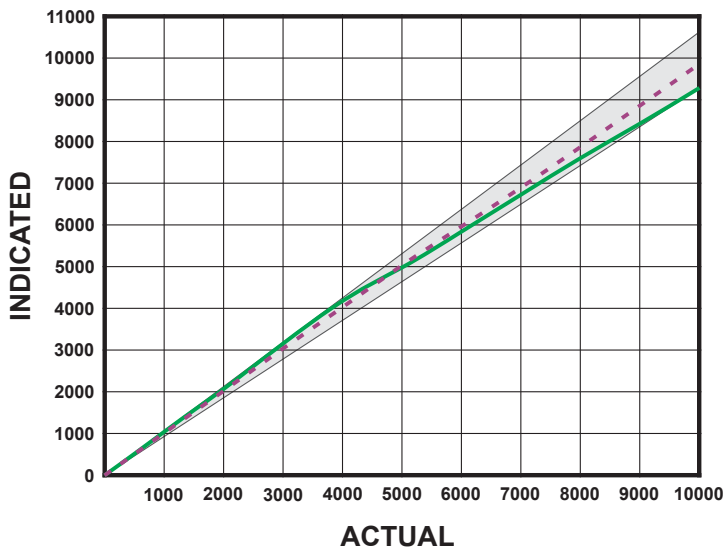

**MS-61 ACCURACY RANGE**




12.5% Sodium Hypochlorite

25% Fluorosilicic acid

**MS-62 ACCURACY RANGE**




12.5% Sodium Hypochlorite

Sodium Permanganate

# Model Number Matrix

## SONIC-PRO® Model Number

| | |
|---|---|
| MS6 | MS6 Chemical Feed Flow Meter |

### Flow Range

| | |
|---|---|
| 1 | 10-5000 mL/min (0.158-79.2 GPH) |
| 2 | 100-10000 mL/min (1.58 -158.5 GPH) |

### Display Options

| | |
|---|---|
| 2 | Meter Mount Display |

### Elastometer Material (O-Ring)

| | |
|---|---|
| V | TFE/P |
| E | EP |

| | | | | | |
|---|---|---|---|---|---|
| MS6 | 1 | 2 | V | X | **Sample Model Number** |

**Note: MS6 Remote Mount Display option discontinued Jan. 1 2026**



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