



# PRESSURE

## MEDIAGAUGE™ DIGITAL PRESSURE GAUGE MG-MD

### DESCRIPTION

The SSI Technologies MediaGauge™ MG-MD is a multi-functional digital pressure gauge consisting of a media isolated piezoresistive pressure sensing element, signal conditioning circuitry for temperature and calibration compensation, a 304L stainless steel pressure port and a LCD back lit display. The MG-MD digital pressure gauge has an accuracy of ±0.25% full scale for 75 to 3000 psi.

The MediaGauge™ MG-MD digital pressure gauge is a powered by an external 8-30 VDC external power supply and comes standard with a wide variety of functions - multiple pressure unit display readings (PSI, BAR, or MPA units); memory storage of maximum peak pressure reading zero adjustment; a 4-20 mA current output along with a limit switch (NPN transistor) to interface to monitoring and control systems.

The MediaGauge™ MG-MD is made of all laser-welded 304L & 316L stainless steel for optimal media isolation and usage in a wide variety of media.

### FEATURES

- Low cost
- High accuracy at 0.25% F.S.
- 4-20 mA output with LCD display
- Back light
- Peak hold for max pressure indication

NEW!



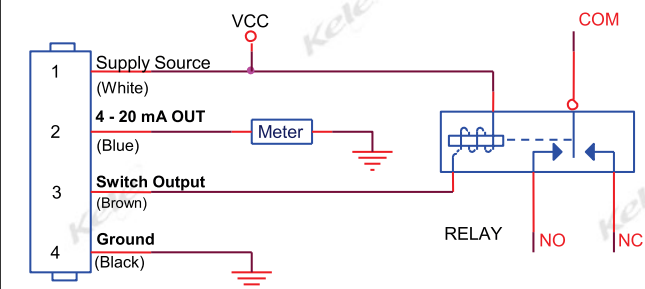
SSI Technologies, Inc.  
— CONTROLS TECHNOLOGIES DIVISION —



MG-MD



### WIRING



### SPECIFICATIONS

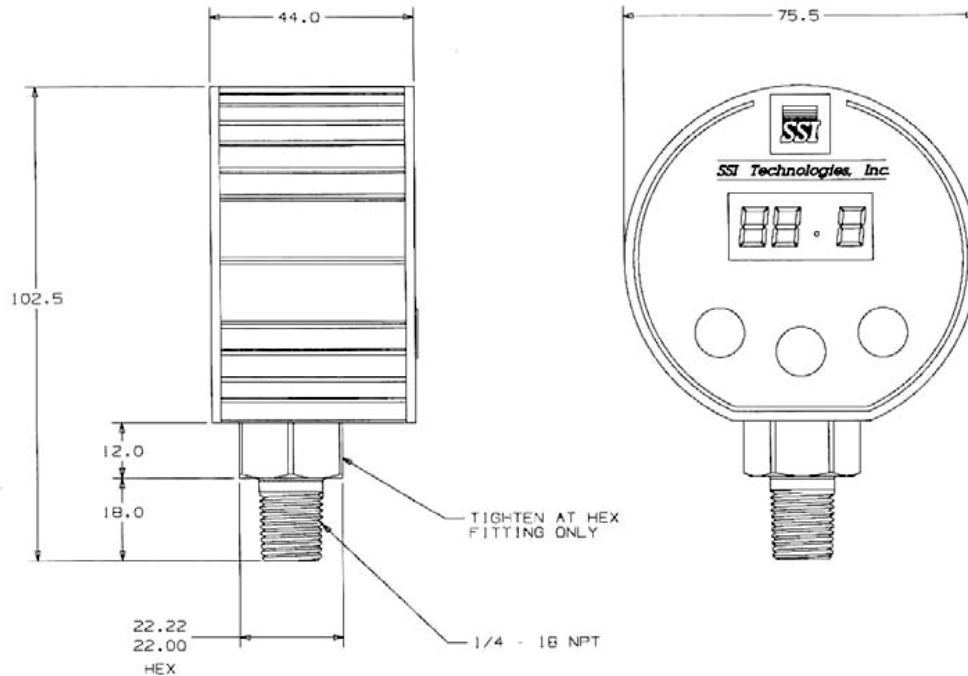
<b>Supply Voltage</b>	12 VDC
<b>Pressure Range</b>	5, 15, 50, 75, 100, 200, 300, 500, 750, 1000, 1500, 2000, 3000, 5000 PSI
<b>Accuracy</b>	±0.25% F.S.
<b>Media Isolation</b>	316L SS diaphragm
<b>Chemical Compatibility</b>	Any gas or liquid chemically compatible to 304L SS and 316L SS
<b>Port</b>	304L SS port
<b>22mm 1/4 - 18</b>	NPT
<b>22mm 1/8 - 27</b>	NPT
<b>Operating Temperature</b>	14° to 140°F (-10° to 60°C)
<b>Storage Temperature</b>	-4° to 185°F (-20° to 85°C)
<b>Automatic Shutoff Time</b>	N/A
<b>Output Type</b>	4 digit LCD, 4-20 mA current output, and a NPN limit switch

### Keypad Operated Functions

<b>Package</b>	Multiple pressure units (PSI, BAR, MPA); peak hold; zero adjustment, high and low pressure set points 3" with black ABS thermoplastic case. NEMA 4X rating
<b>Options</b>	NIST Calibration Certification; protective rubber boot; ft of head ranges available
<b>Typical Applications</b>	Process control, refrigeration, fuel cells, pumps, hydraulics, pneumatics, compressors, waste water, agriculture



### DIMENSIONS



### ORDERING INFORMATION

MODEL	DESCRIPTION
<b>MG-100-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 100 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-1000-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 1000 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-15-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 15 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-1500-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 1500 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-200-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 200 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-2000-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 2000 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-300-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 300 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-3000-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 3000 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-5-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 5 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-50-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 50 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-500-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 500 PSI range. Multiple pressure units (PSI,BAR,MPA)
<b>MG-5000-A-MD-R</b>	3" Dial Digital Gauge, 12 VDC supply 5000 PSI range. Multiple pressure units (PSI,BAR,MPA)