Using solid state technology, the Series 3000MR & 3000MRS Photohelic® Switch/Gages combine the functions of a precise, highly repeatable differential pressure switch with a large easy-to-read analog pressure gage employing the durable, time-proven Photohelic® gage design. Switch setting is easy to adjust with large external knobs on the gage face. Gage reading is unaffected by switch operation - will indicate accurately even if power is interrupted. Solid state design now results in greatly reduced size and weight. Units can be flush mounted or surface mounted with hardware supplied. 3000MR models employ versatile electromechanical relays with gold over silver contacts - ideal for dry circuits. For applications requiring high cycle rates, choose 3000MRS models with SPST (N.O.) solid state relays. All models provide both low and high limit control and include 18-inch (45 cm) cable assemblies for electrical connections.

Compatible with air and other non-combustible, non-corrosive gases, they can be used in systems with pressures to 25 psig (1.725 bar). Optional construction is available for use to either 35 psig (2.42 bar) or 60 psig (4.1 bar).

FEATURES/BENEFITS
- Gage reading unaffected by switch operation and will continue to read pressure even during power loss
- Zero and range adjustments outside of gage means no disassembly in normal service
- Solid-state design allows for switching in high cycle rate applications without degradation
- Optional stainless steel bezel is the same installation diameter as Photohelic® gage and simplifies field upgrade to Photohelic® switch/gage

APPLICATIONS
- Pneumatic conveying
- Air conditioning systems
- Clean rooms

**PHOTOHELIC® SWITCH/GAGES**

**SERIES 3000MR & 3000MRS**

Combines Differential Pressure Gage with Low/High Set-Points, Compact Size

**CALIBRATION SERVICES AVAILABLE**

**Model Chart**

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**Specifications**

- **Model 3000MR-00**: Range 0-0.25 in w.c. Minor Dvls. 0.05 Price $352.00
- **Model 3000MRS-00**: Range 0-0.25 in w.c. Minor Dvls. 0.05 Price $370.00
- **Model 3000MR-05**: Range 0-0.50 in w.c. Minor Dvls. 0.10 Price $338.00
- **Model 3000MRS-05**: Range 0-0.50 in w.c. Minor Dvls. 0.10 Price $338.00
- **Model 3001MR**: Range 0-1.0 in w.c. Minor Dvls. 0.2 Price $338.00
- **Model 3001MRS**: Range 0-1.0 in w.c. Minor Dvls. 0.2 Price $338.00
- **Model 3002MR**: Range 0-2.0 in w.c. Minor Dvls. 0.5 Price $338.00
- **Model 3002MRS**: Range 0-2.0 in w.c. Minor Dvls. 0.5 Price $338.00
- **Model 3003MR**: Range 0-3.0 in w.c. Minor Dvls. 1.0 Price $338.00
- **Model 3003MRS**: Range 0-3.0 in w.c. Minor Dvls. 1.0 Price $338.00
- **Model 3005MR**: Range 0-5.0 in w.c. Minor Dvls. 2.0 Price $338.00
- **Model 3005MRS**: Range 0-5.0 in w.c. Minor Dvls. 2.0 Price $338.00
- **Model 3010MR**: Range 0-10.0 in w.c. Minor Dvls. 5.0 Price $338.00
- **Model 3010MRS**: Range 0-10.0 in w.c. Minor Dvls. 5.0 Price $338.00
- **Model 3015MR**: Range 0-15.0 in w.c. Minor Dvls. 10.0 Price $338.00
- **Model 3015MRS**: Range 0-15.0 in w.c. Minor Dvls. 10.0 Price $338.00
- **Model 3020MR**: Range 0-20.0 in w.c. Minor Dvls. 20.0 Price $338.00
- **Model 3020MRS**: Range 0-20.0 in w.c. Minor Dvls. 20.0 Price $338.00
- **Model 3030MR**: Range 0-30.0 in w.c. Minor Dvls. 30.0 Price $338.00
- **Model 3030MRS**: Range 0-30.0 in w.c. Minor Dvls. 30.0 Price $338.00
- **Model 3050MR**: Range 0-50.0 in w.c. Minor Dvls. 50.0 Price $338.00
- **Model 3050MRS**: Range 0-50.0 in w.c. Minor Dvls. 50.0 Price $338.00
- **Model 3100MR**: Range 0-100.0 in w.c. Minor Dvls. 100.0 Price $338.00
- **Model 3100MRS**: Range 0-100.0 in w.c. Minor Dvls. 100.0 Price $338.00

**Accessories**

- **Model A-289**: Flat aluminum bracket for flush mounting 3000MRS/MRS. Switch Type: Each set point has 1 form C relay. Price $29.25, 35.50
- **Model A-370**: Mounting bracket flush mount 3000MRS/MRS. Switch Type: Each set point has 1 form C relay. Price $35.00
- **Model A-600**: R/C shunt resistor for inductive loads like a solenoid or contactor. Price 19.50

**Options**

- **Model 3001MR-SS**: 304 brushed stainless steel bezel. Backward compatible with standard Photohelic® gage. Price +$34.00
- **Model 3001MR-TAMP**: Tamper-proof knobs; require spanner key (supplied to change set points. Price +$14.75
- **Model 3001MR-LT**: Low temperature option; use for under 20°F (-6.7°C). Price +$10.50
- **Model 3001MR-MP**: Medium pressure; increases maximum rated pressure to 35 psig (2.41 bar). Price +$54.50
- **Model 3001MR-HP**: High pressure; increases maximum rated pressure to 80 psig (5.5 bar). Price +$155.00
- **Model 3001MR-WP**: Weatherproof housing option. Price +$569.00
- **Model 3001MR-NIST**: National Institute of Standards Traceable calibration certificate. Price +$99.00

**Process Tubing Options:** See page 455 (Gage Tubing Accessories)

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