

PRESSURE
TEMPERATURE
LEVEL
INSTRUMENTATION
FLOW
ANALYTICAL

"EM-Series" 90mm Sanitary Pressure Gauge

- The industry's only externally adjustable span and offset
- Designed specifically for SIP and autoclave applications
- Lowest/most narrow profile of any sanitary gauge
- Custom pinstamped markings available

The best just got better! With our redesigned 90mm sanitary pressure gauge, Anderson Instrument has raised the bar relative to performance, reliability, and ease of use.

Customers in the Pharmaceutical and Biotech market will recognize at a glance that we've maintained all our unique features like all-welded construction, electro-polished wetted parts, and standard calibration certifications. They'll also appreciate the new, compact profile that fits virtually anywhere while still maximizing readability. But what really

sets this gauge apart is the new offset adjustment that comes as a standard feature on every Pharmaceutical series gauge. Rear-mounted and unobtrusive, we even provide a special tool for the optional span adjustment so it's tamper-proof.

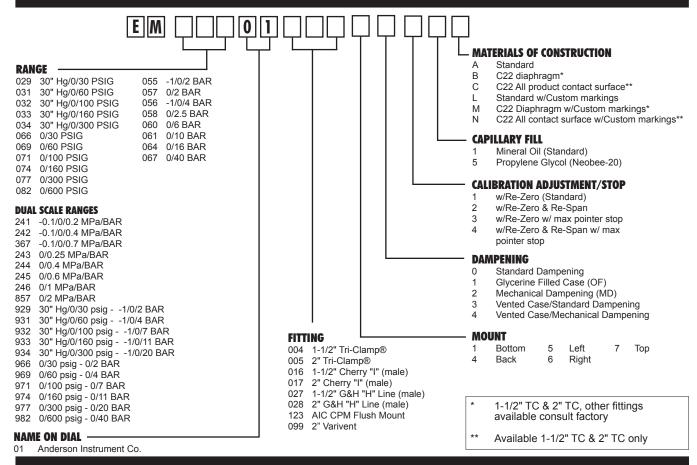
Complete specifications and ordering information are available on the reverse. For more information contact our Customer Service Department at 1-800-833-0081, or visit our website at www. andinst.com.

APPLICATIONS

- Fermentation
- Filtration
- All sanitary pressure dependent processes



Complete Product Ordering Matrix



Specifications

Typical Performance

Over-Range Capability: at least 25% over range Calibrated Accuracy: ± .75% F.S. from 10-90% of range

Repeatability: ± .25% of full scale Linearity: +.25% of full scale ±.25% of full scale Hysteresis:

Stability: Within specified accuracy for 6 months under normal operating conditions. Process Temperature Limits: 25° to 250°F (-3° to 121°C) Ambient Temperature Limits: 40° to 120°F (4° to 49°C)

CIP Temperature Limit: 250°F (121°C) continuous 300°F (149°C) for one hour SIP Temperature Limit: 300°F (149°C) for one hour (unfilled case only) Autoclave Temperature Limit:

Temperature Effect: Less than .16% per 10°F change in process or ambient temperature

-22°F to 195°F (-30°C to 91°C)

Storage Temperature Limits: -22°F to 250°F (-30°C to 121°C)*

Vented Case

Construction/Finish

All Product Contact Surface (Diaphragm and fitting):

Welded 316L stainless steel, electropolished. Maximum R_a= 8 microinches (.2 microns). Bronze bourdon/brass socket with silver soldered

Bourdon Tube/Socket Construction: connections.

Movement Mechanism: Brass

Case/Stem: Welded 304 stainless steel (polished).

Adhesive-backed printed Mylar in various scales, Dial:

90mm diameter min.

Lens/Dial Plate Corrosion resistant polysulfone able to withstand

304 stainless steel, polished, compression formed to case (non-removable).

Viewing Angle: 100 degrees minimum.

Operational

Re-Zero Adjustment:

Actuating Fill: 100% mineral oil. Meets FDA requirements

(21CFR, 172.878 and 178.3620(a))

Neobee-20 optional.

Optional, glycerine 100% USP Food Grade. Case Fill: Mechanical Dampening: Optional. Standard and case filled gauges

dampened to 25% to 50%. Mechanical dampening dampens 50% to 80% of pressure variations. Tamper resistant adjustment, +/-5% of

span. Non interactive with span. External adjustment integrally located on back of case.

Re-Span Adjustment: Externally accessible with tool (AIC #4523800000) through rear of case. Adjustment up to +/-5%

of span.

Designed and manufactured to sound engineering Standards

practices in accordance with Article 3.3 of the PED 97/23/EC.

Designed and tested in accordance with ASME B40.100.

NEMA 4X, IP-66 CSA B51-03 CRN# CSA0F9754.5C

Dimensions

