Product Information - ELH

FOOD

"ELH Series" (Extended Life) Pressure Gauge

Introduction

Homogenizer service is a torture test for any dairy gauge. Modern homogenizers utilize multi-piston, high pressure pumps that result in a pounding that soon sends lesser gauges to the scrap pile. The ELH solves this senseless waste.

With the ELH Gauge, Anderson-Negele has combined our understanding of homogenizers and the dairy environment along with the design principles of our class leading EL gauge. The ELH is designed from the ground up to be the toughest, most reliable gauge for homogenizer applications. With over 30 years of experience building and repairing hundreds of thousands of gauges from a dozen different suppliers, we've identified and addressed all the key causes of premature failure. While the ELH is undoubtedly the most durable 3-1/2" homogenizer gauge available today, it is also quite innovative. It comes available with a fully potted and sealed integral transmitter that can be field calibrated for both zero and span. Configured with a broad range of sanitary homogenizer fittings, direct or panel mounting, and the optional integral transmitter, the ELH is likely to be the perfect replacement gauge for your homogenizer. And because it's an Anderson-Negele gauge you can rest assured it meets every current sanitary standard and is being used by the tens of thousands in food, dairy, beverage, and brewing applications worldwide.

Complete specifications and ordering information are available on the reverse. For additional information please visit us on the web at www.anderson-negele.com, or contact your local Authorized Anderson-Negele Distributor.

Authorizations



Features

- Permanently filled and sealed sensing system provides class leading pulsation dampening and long life.
- Heavy duty stainless case and all welded design provide shock and vibration resistance
- Transmitter option is ideal to upgrade single port machines for data logging or remote reading
- Available with all common homogenizer fittings for either direct and panel mounting
- · 3-A compliant; Third Party verified



Specifications

PERFORMANCE MECHANICAL & ELECTRICAL

Factory calibrated to +/- 1.5% of full scale, Gauge Accuracy:

from 10 to 90% of pressure range

Transmitter Accuracy: +/- 0.5% of full span

Over-range capability: 25% for ranges up to 100 BAR (1.5k PSI) 15% for ranges up to 600 BAR (8.7k PSI)

10% for ranges up to 16K BAR (23k PSI) .16% per 10°F process temperature change Temperature Effect:

32 to 140°F (0 to 60°C)

.25% per 10°F ambient temperature

change

Process Temperature

Limits: 25 to 300°F (-4 to 149°C)

Ambient Temperature

Limits: CIP Temperature Limit:

300°F (149°C) 300°F (149°C) SIP Temperature Limit: Stability:

Within specified accuracy for 6 months Decay Kate: 1- 2 seconds

CONSTRUCTION / FINISH

Diaphragm: Fitting:

Diaphragm and Fitting:

Spiral Coil:

Socket: Case/Stem: Dial:

Lens/Dial Plate:

C276 Hastelloy

316L stainless steel Welded & polished. Max. Ra=25µ

Stainless steel Stainless steel with integral fill port Welded 304 stainless steel (polished)

Adhesive-backed printed Mylar in various scales, 90mm diameter minimum

Chemical resistant polysulfone, able to

withstand 325°F

Bezel:

Viewing Angle: Pointer:

OPERATIONAL Spiral Coil, Tip, and

Socket Construction:

Internal Fill:

Case Fill:

Mechanical Dampening:

Output:

Loop Resistance: **Electrical Connection:**

Recommended Cable:

Electrical Protection: Operating voltage:

Transmitter Zero Adjustment: Pointer Re-zero Adjustment:

304 stainless steel, polished, compression

formed to case (non-removable)

100 degrees minimum Aluminum, black anodized

Welded connections

Standard, ETR (extended Temperature

range) mineral oil

Standard, glycerin 100% USP Food Grade

Standard

Optional 4-20 mA DC, 2 wire (4 mA at zero pressure & 20 mA at upper range value).

0-700 ohms at 24 VDC

M12 5Pin quick disconnect receptacle (field wireable connector and cable available. 22-24 AWG, foil shielded, 0.17 - 0.26" Cable Sheath OD for use with field wiring

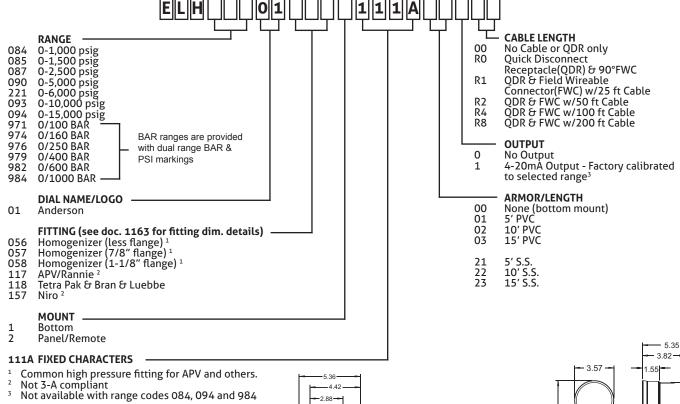
Voltage spike and reverse polarity 10-40 VDC (Absolute), 24 VDC Nominal

regulated or unregulated.

+/- 10% of span (With back removed)

Tamper resistant adjustment, +/- 5% of span. Non interactive with span. External adjustment located on back of case.

Order Information



ACCESSORIES

Molded cordset w/25' cable 42117K0025 Molded cordset w/50' cable 42117K0050 Molded cordset w/100' cable 42117K0100 All dimensions in inches

8.07 Ontional

05059 / 2.2 / 2022-06-25 / KV / NA

ANDERSON INSTRUMENT COMPANY 156 Auriesville Road Fultonville, NY 12072

Phone 800-833-0081 Fax 518-922-8997 info@anderson-negele.com

techservice@anderson-negele.com Phone 800-833-0081