

# VibEx Gauge

## Shockproof

ARMANO

T00-000-018na

### Application

VibEx Gauges are pressure gauges specially optimised for use under harsh mechanical conditions. Their design makes these pressure gauges resistant to vibration, pulsation and pressure shocks of the medium. The construction type also provides good damping of the measuring system without any additional case filling. This makes these instruments ideal for applications where leakage of the case filling must be avoided at all costs.

Typical fields of application are food and pharmaceutical industries as well as general mechanical engineering with compressors and mobile units.

The VibEx Gauge is recommended wherever operating conditions exceed the requirements of the basic standard.

### Features

- Vibration resistant
- Shockproof
- Pulsation resistant
- Earthquake resistant

### Technical Data

- Silicone-damped movement
- Break- and shatterproof glass (SAFETY GLASS)
- Wetted parts stainless steel 316L
- Additional case filling available
- Restrictor screw  $\varnothing 0.01 / 0.02$ " in the pressure inlet port
- Dimensional data, weights and degree of protection according to the data sheet of the basic device
- Available mounting options Rh, Fr and BFr according to the data sheet of the basic device
- Pressure ranges
  - NCS 2 1/2" up to 20000 psi
  - NCS 4 / 4 1/2 / 6" up to 35000 psi
  - 20000 psi and above with high-pressure connection
- Accuracy classes
  - NCS 2 1/2" - Grade 1A ( $\pm 1$  % of span)
  - Grade B (3 – 2 – 3 % of span)
  - at 25 – 50 – 75 % full scale for pressure ranges 0 – 15000 psi and 0 – 20000 psi
  - NCS 4 / 4 1/2 / 6" - Grade 1A ( $\pm 1$  % of span)

### Available Products

Data sheet 1211	RCh 63 – 3v, RCh 63 – 3vr, RCh 63 – 3vrM
Data sheet 1212	RChg 63 – 3v, RChg 63 – 3vr, RChg 63 – 3vrM
Data sheet 1201	RCh 100 – 3v, RCh 100 – 3vr
Data sheet 1202	RChg 100 – 3v, RChg 100 – 3vr
Data sheet 1201	RCh 160 – 3v, RCh 160 – 3vr
Data sheet 1202	RChg 160 – 3v, RChg 160 – 3vr
Data sheet 1401	RPG(G) 4 1/2"



### Options

- Oxygen version, free of grease and oil
- Wetted parts Monel (only available with screwed case configuration)
- Case material stainless steel 316L
- High-contrast, reflective dial Bright Dial
- Luminescent dial Lumen Gauge
- Additional case filling glycerin
- Additional case filling silicone oil
- Models RCh and RChg: welded construction type (connecting piece welded with case)
- Overload resistant: NCS 4 / 4 1/2 / 6" according to T01-000-028 for nominal pressure up to PN 6000 psi
- Safety case

### Fields of Application

- Compressed air generation
- High-pressure pumps
- Road construction
- Moving and pulsation-loaded units
- Vibratory plates
- Homogenizers
- Injection pumps
- Fuel injection systems