



## Brake Pressure in Road / Rail Vehicles



### Application:

## Pressure measurement for operating pressure (HBL) and main brake pipe pressure (HL)

Manufacturers and maintenance companies of road / rail vehicles

For companies with an own railway siding, it is often uneconomic to acquire an own shunter. This might be the opportunity to use a road / rail shunting vehicle. These are specially equipped freight vehicles, which can be operated both on a conventional road and on railway tracks. In order to shunt waggons, the road/rail vehicle must be provided with the appropriate equipment, including a compressed air brake system.



### The problem:

According to the Directive 931.0103 "Construction requirements for road/rail vehicles", pressure gauges for operating pressure (HBL) and main brake pipe pressure (HL) with a diameter of 80 mm (3.15") with quality class 1 are part of the basic equipment of a road/rail vehicle, which is equipped with a rail car brake system.

### Our solution:

A rail car pressure gauge from our standard programme according to DIN 38 030 is used. The inscriptions are aligned to the Directive 931.0103 of the "Deutsche Bahn" (German Railways).

## Whether on the road or on rails: DRChg 80 – 1 Fz rmBFr

- ◆ Indication accuracy  $\pm 1.0\%$  (class 1)
- ◆ Luminous bright red pointer for indication of main brake pipe pressure (HL)
- ◆ Yellow pointer for indication of operating pressure (HBL)
- ◆ Standard version with two types of lighting, direct (light bulb or LED) and indirect via light slits in the case
- ◆ Intended for installation in control panels
- ◆ Up to 1,000,000 load alternations (braking processes) – without maintenance
- ◆ Connections in various versions possible



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