

DGS Operating Manual

DGS has two operating keys. The left key (SELECT) serves to select the functions and the pressure units. The right key (ENTER) activates the selected function or pressure unit. The right key is also used to switch between the Min and Max pressure value.

Pressing the SELECT key turns the DGS on. The instrument first displays the full-scale pressure range (top display) and the software version (year/week). The DGS is then ready for use and indicates the actual pressure (top display) and the last measured Max pressure value (bottom display)



The DGS has the following functions:

RESET

Min./Max. values are set to the actual pressure

OFF

Turns the DGS off

MANO

Releases the following function:

ZERO SET

Sets a new zero reference pressure

ZERO RES

Sets the zero reference pressure to the factory setting

CONT on/off

Deactivates/Activates the automatic turn-off function (the DGS turns off 15 min after the last operation).

Available engineering units:

bar, mbar, hPa, kPa, MPa, PSI, kp/cm³, cmH₂O, mH₂O, inH₂O, ftH₂O, mmHg, inHg

General Safety Instruction:

When installing and operating the DGS, attention should be paid to the corresponding safety regulations.

On DGS with pressure range ≥ 61 bar, the pressure connections could show residual hydraulic oil, determined by production flow.

Battery Change / Battery Life

When the battery starts weakening a low battery warning (BAT LOW) will appear on the display.

Please turn off the DGS before changing the battery. Open the DGS from the front panel (no rotation is needed). Change the weak battery with a new one (CR2430) and close the

RS485 Interface:

At the back of the DGS (Fischer plug Series 103)



- | | |
|---------|------------|
| 1) GND | 4) RS485 A |
| 2) n.c. | 5) RS485 B |
| 3) +VCC | |