

## Comparison $\Delta p$ measuring computer

### HERZ 1 8903 00



### HERZ 1 8900 03



Dimensions: 285 x 205 x 70 mm

Weight: 2.2 kg

Power: internal Ni/Cd battery with external charger 230 V ~, 130 V ~ upon request

Display: 120 x 40 mm with background light, contrast indicator is adjustable

Read out: measured value (momentarily value)

Software: Update possible by user

Interface: RS232 connection to PC

Data collection: more than 2000 measurements

Ambient temperature: 0 ... 40 °C

Medium temperature: -10 ... 80 °C

Storage temperature: -20 ... 55 °C

Electrical protection class: IP 52, shower water proof

Pressure sensors: external sensors connected to computer with cables.

Measuring range:

0- 5 bar max. pressure 10 bar (Option)  
0- 10 bar max. pressure 20 bar (Standard)  
0- 20 bar max. pressure 40 bar (Option)  
0- 50 bar max. pressure 100 bar (Option)

Quick fitting coupling connection directly on valves or by means of adapter

Measuring tolerance:

Tolerance of pressure sensors before calibration while measuring absolute pressures better than 0.25% of the nominal range

Dimensions: 77 x 192 x 25 mm

Weight: 0.35 kg

Power: battery 6F22. 9 V

Display: 40 x 18 mm, Not backlit

Read out: measured value (momentarily value)

Software: Update only by producer

Interface: Cable connection to PC

Data collection: 2500 measurements

Ambient temperature: -5 ... 50 °C

Medium temperature: -5 ... 90 °C

Storage temperature: -10 ... 70 °C

Electrical protection class:: IP 40

Pressure sensors: internal sensors, connection and pressure sensing with tubes (red/blue) filled with water/glycol mixture.

Measuring range:

10 bar  
max. over pressure 15 bar  
max. unilateral pressure 15 bar

Quick fitting coupling connection directly on valves or by means of adapter

Measuring tolerance:

Linearity fault and hysteresis = 0.15% of nominal range  
Temperature dependence= 0.25% of nominal range  
Influence of static pressure = 0.06% of nominal range

### Technical data

We reserve the right to make modifications in line with progress in engineering

<b>HERZ 1 8903 00</b>	<b>HERZ 1 8900 03</b>	
<p>Temperature measuring: With accessories Pt 100 possible</p> <p>Languages: German, English, French</p> <p>Display options: units pressure: bar, PSI, kPa, mWs, FT.WC units flow: m<sup>3</sup>/h, l/h, l/s, USPGM, UKPGM units Temperature: ° C, ° F units kV / Cv: Kv, USCv, UKCv units energy: KW*h, kcal, kBTU, Mcal</p> <p>Parameters for measurements: periods, calibration, date, time</p>	<p>Temperature measuring: Not possible</p> <p>Languages: German, English, French, Spanish, Czech</p> <p>Display options: units pressure: mbar, bar, psi, at, mWs, mmWs, mmHg, Pa, hPa, kPa, MPa units flow: L/h, UsgPM, UkgPM, m<sup>3</sup>/h, m<sup>3</sup>/min, m<sup>3</sup>/s, l/min, l/s</p> <p>Parameters for measurements: periods, calibration, date, time</p>	
<p>Calibration: can be calibrated by manufacturer, validity 1 year</p>	<p>Calibration: by ordering must be disclosed, then measuring by comparison with calibrated device</p>	<b>Calibration</b>
<p>Adjustment: 1 x daily before measurements by means of T-Piece ( included), or after the altitude changes more than 500 m of sea level. CD with software for administration of projects and measurements is included. Temperature measurements (with temperature sensor) and differential pressure measurements on valve.</p>	<p>Adjustment: 1 x daily before measurements by means of "ZERO" key without connected cables. CD with software for administration of projects and measurements is included, Instruction manual is on the CD. Pressure drop measurements with test cables, red for higher pressure, blue for lower pressure. Input/Output is equipped with filter (50 mm). Test cables have to be airless filled, it is recommended to fill the cables with a mixture of distilled water and antifreezing compound of ethylen or propylen-ethylen basis (min. 50 %).</p>	<b>Application</b>
<p><b>ARI</b> / Astra, Euro-Wedi F1, Euro-Wedi F4, FAB A II <b>Comap</b> / 751B <b>Crane</b> / D921, D921AT, D923, D923AT, D931, D931AT, D933, D933AT, D934, D934AT, DA930, DM920, DM925G, DM930, DM940, DM950G <b>Danfoss</b> / MSV-I <b>HERZ</b> / Strömax-GM (4217), Strömax-M (4117), Strömax- MF (4118), Strömax-MFS (4218), Strömax GMF (with Update)(4218) <b>MNG-Honeywell</b> / Kombi 2, Kombi-2-PL, Kombi-F, Kombi-F Alt <b>Naval</b> / Navalball <b>Oras</b> / 4100, 4110, 4120, 4150 <b>Oventrop</b> / Type Gray C. Iron, Cast Bronze</p> <p><b>Heimeier</b> / STA-DR, STA/STAD/STADA, STAF-SG-R/STAG, <b>Vexve</b> / Type 140</p>	<p><b>Oventrop</b> / OV Hydr, OV HydrF, <b>Danfoss</b> / MSVM, MSVF, <b>ESBE</b> / Vari, 2630, 2640, 2730, 2740, <b>Heimeier</b> / STADR, STADA, STAF, <b>HERZ</b> / Strömax-GM (4217), Strömax-M (4117), Strömax- MF (4118), Strömax-MFS (4218), Strömax GMF (4218) <b>MNG/ Honeywell</b> / K2+, KF II, K3+, VM1, VM2, VFC</p>	<b>Valve data in memory</b>
<p>1 <b>0284 00</b> Adapters for test points 1 <b>8903 11</b> Test point adapter set for quick measuring valves 0280, 0282 and 0283</p>		<b>Accessories</b>

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