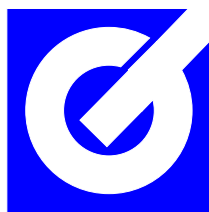


BT400 DM

HYDRAULIC COMPARISON PUMP WITH REFERENCE DIGITAL MANOMETER



Range: 0 ÷ 400 bar



GIUSSANI

Application:

The testing and calibration of manometers and transducers combined with digital reference instrument with accuracy 0.05%

BT400-DM

HYDRAULIC COMPARISON CALIBRATION PUMP



The pump of the BT400 DM series make it possible to generate hydraulic pressures up to 400 bar necessary for the comparison calibration of manometers, pressure switches and transducers with standard gauges.

The digital manometer type LAB-DMM is fitted directly on BT400DM.

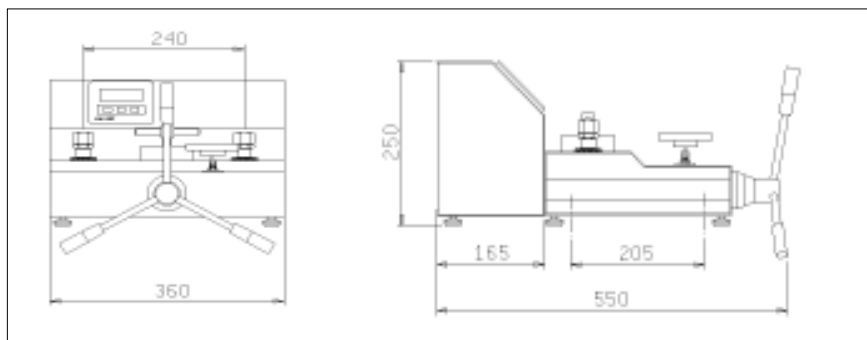
Lab-DMM is a microprocessor digital pressure gauge of new generation; its advanced analog section ensure a very high long-term stability, and its converter A/D with 16 bits guarantee 60.000 internal divisions. This feature, together with the $\pm 0,05\%$ accuracy class, make it an ideal laboratory instrument: **the Lab-DMM, is specially proposed as First Line Sampling for metrologic laboratories, and it's delivered together with the SIT certificate.**

The Lab-DMM gauge has internal batteries with 1 year autonomy, which is also guaranteed by the Auto-Power-Off function, that turns off the pressure gauge if no pressure variation is detected.

The users can select different engineering units (mbar, bar, KPa, MPa, psi), and he can program different resolution and digital filter according to the application.

The BT400-DM with "Quick Calibration" software, can make automatic calibration procedure guaranteeing that ISO 9000 standards are observed.

A fine volume adjuster is fitted directly on the pump.



TECHNICAL DATA OF PUMP

- Range from 0 to 400 bar (40 MPa)
- It may be used in depression within the limits established by the suction volume
- Total capacity: 73 cm³
- Displacement/turn = 2 cm³
- High resistance stainless steel cylinder.
- Bronze piston with Buna gaskets, Teflon anti-extrusion ring and guide in acetate resin
- Total screw stroke: 160 mm
- Operative stress at 50 bar: 1 Kg
- Test pressure: 600 bar
- Fine volume adjuster for high sensitivity ($\pm 0,1$ bar @ 400 bar)
- Size: 360 x 550 x 250 mm
- Weight: 15 Kg

TECHNICAL DATA OF MANOMETER

- | | |
|-------------------------------|--------------------------|
| • Power supply: | N°4 alkaline batteries |
| • Autonomy: | 1 year |
| • Programmable measuring unit | mbar, bar, kPa, MPa, psi |
| • Programmable resolution | 1 - 2 - 5 - 10 digit |
| • Programmable baud rate | 9600, 4800, 2400 |
| • Zero function | 100% |
| • Peak function | Positive & Negative |
| • Service temperature range | 0 \pm 50°C |
| • Storage temperature | -10 \pm +60°C |

STANDARD ACCESSORIES

- Ch 27 service box wrench.
- 3/8" Gas rotating connection.
- Complete series of spare gaskets.
- Case for carrying spare parts.



ISO 9001
CERT. N° 9115 GIUI



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CERTIFICATION

All the instruments are supplied with final testing, stability and accuracy certification traceable to SIT standards

A QUESTION OF CALIBRATION