



The software manages a first-line samples archive which can be alternatively recalled during the calibration phases.

Each sample manometer is managed through the following different information: object, manufacturer, type, serial number, rate, measurement unit, certificate number, uncertainty, calibration date, expiry date.

If the manometer is equipped with RS232C serial output it is possible to activate the communication by setting the transmission Baud rate and defining on which port the connection was made (COM1 or COM2).

All the information can be saved with a file name chosen by the user that can be recalled each time it is necessary to perform calibrations with such sample.

Instructions to use the program at best are always available on line by activating the HELP function.

The second operating page consists of four main areas:

CERTIFICATE LETTERHEAD.

Where it is possible to store the data of the company which performs calibrations, those information are printed on the calibration certificate.

PRESSURE GAUGE UNDER CALIBRATION.

Here the operator can define all the data of the pressure gauge to be calibrated such as: number of measurements to be performed and if increasing and decreasing measurements shall be done (↑↓).

LabDMM REMOTE COMMANDS.

If the serial connection with the sample pressure gauge is activated, it is possible to display in real time the pressure present in the hydraulic circuit, to perform ZERO and to change both resolution and measurement unit, if necessary.

MEASUREMENT.

By activating the calibration procedure with the START, measurement points to be performed are automatically calculated. After generating the pressure, the operator acquires through the bar the sample measurement and performs all the steps, after that the reading error and the relative uncertainty of the pressure gauge under calibration are calculated.

Software handles a first-line-samples records which can be alternatively called during calibration phases.

Each sample manometer is handled through the following different information: object, manufacturer, type, serial number, rate, measurement unit, certificate number, uncertainty, calibration date, expiry date. If pressure gauge is equipped with RS232 serial output, it is possible to activate the communication by setting transmission Baud rate and by defining which port the connection was made on (COM1 or COM2). All information can be stored with a file name chosen by the user that can be recalled each time it is necessary to perform calibrations with such sample.

Instructions to use the program at best are always available on line by activating the HELP function.

Second operating page consists of four main areas:

CERTIFICATE LETTERHEAD.

Where it is possible to store the data of the company which performs calibrations, those information are printed on the calibration certificate.

PRESSURE GAUGE UNDER CALIBRATION.

Here operator can define all the data of pressure gauge to be calibrated such as: number of measurement to be performed and if increasing and decreasing measurement shall be done (↑↓).

LabDMM REMOTE COMMANDS.

If serial connection with sample pressure gauge is activated, it is possible to display in real time the pressure present in the hydraulic circuit, to perform ZERO and to change both resolution and measurement unit, if necessary.

MEASUREMENT.

By activating the calibration procedure with the START, measurement points to be performed are automatically calculated. After generating the pressure, operator acquires through the bar sample measurement and performs all the steps, after that reading error and uncertainty of pressure gauge under calibration are calculated.



Il generatore manuale di pressione **GPM** è un sistema realizzato per assolvere i problemi di taratura e controllo di manometri ad indice, trasduttori e trasmettitori di pressione.

La generazione della pressione avviene tramite un pistone interno, che mediante un sistema a vite consente una regolazione micrometrica della pressione con sforzi molto contenuti.

La struttura è realizzata in alluminio per aumentare la maneggevolezza, e comprende: un serbatoio centrale dove confluisce l'olio di riempimento del circuito idraulico, una valvola a sfera per lo scarico, un sistema di chiusura ermetica del serbatoio per il trasporto, e da due attacchi 1/2 gas per la connessione del manometro campione e quello da controllare. Il generatore è completo delle guarnizioni di tenuta e della valigia di trasporto che comprende due sedi per i manometri campione.

La principale applicazione del generatore è strettamente legata alle aziende o laboratori, che lavorano in regime di Qualità e hanno l'esigenza di controllare periodicamente i loro indicatori di pressione con un campione di prima linea munito della certificazione SIT.

Caratteristiche principali:

- Campo da 0 a 700 bar.
- Dimensioni 230 x 180 x 40 mm.
- Peso 4,5 kg.
- In lega d'alluminio e acciaio inox.
- Attacchi girevoli con tenuta a mezzo oring.
- Funzionamento con olio.
- Sistema di scarico rapido pressione.
- Serbatoio incorporato.

ACCESSORI

- Manometro digitale **LabDMM** classe 0.05% completo di certificato SIT.
- **Quick Calibration**, utility software per acquisizione dati su PC, elaborazione degli errori e stampa certificato con riferibilità SIT.

GPM manual pressure generator is an equipment designed to solve calibration problems and to control index pressure gauges, pressure transducers and pressure transmitters.

Pressure is generated through an internal piston which allows, thanks to a screw-system, a pressure micrometric adjustment with highly reduced efforts.

Structure is made of aluminum to increase its handiness and includes : a central tank where filling oil of hydraulic circuit flows into, a ball valve for the unload, a tank hermetic lock device for the transport and two 1/2 gas couplings to connect the first-line-sample to the pressure gauge to be checked. Manual pressure generator is complete with tight gaskets and travelling case where you can place two pressure gauges.

Main fields of application for GPM are strictly bound to companies or laboratories which are quality-certified and have the need to check at regular intervals their pressure indicators with a first-line-sample SIT certified.

Main characteristics :

- Range from 0 up to 700 bar.
- Dimensions 230 x 180 x 40 mm.
- Weight 4,5 kg.
- Made of aluminum alloy and stainless steel.
- Rotating couplings with oring tight.
- Oil feeding.
- Quick pressure discharge system.
- Built-in tank

ACCESSORIES

- **LabDMM** digital pressure gauges class 0.05% complete with SIT certificate.
- **Quick Calibration**, utility software to gather data on PC, errors processing and printing of a referable SIT certificate.