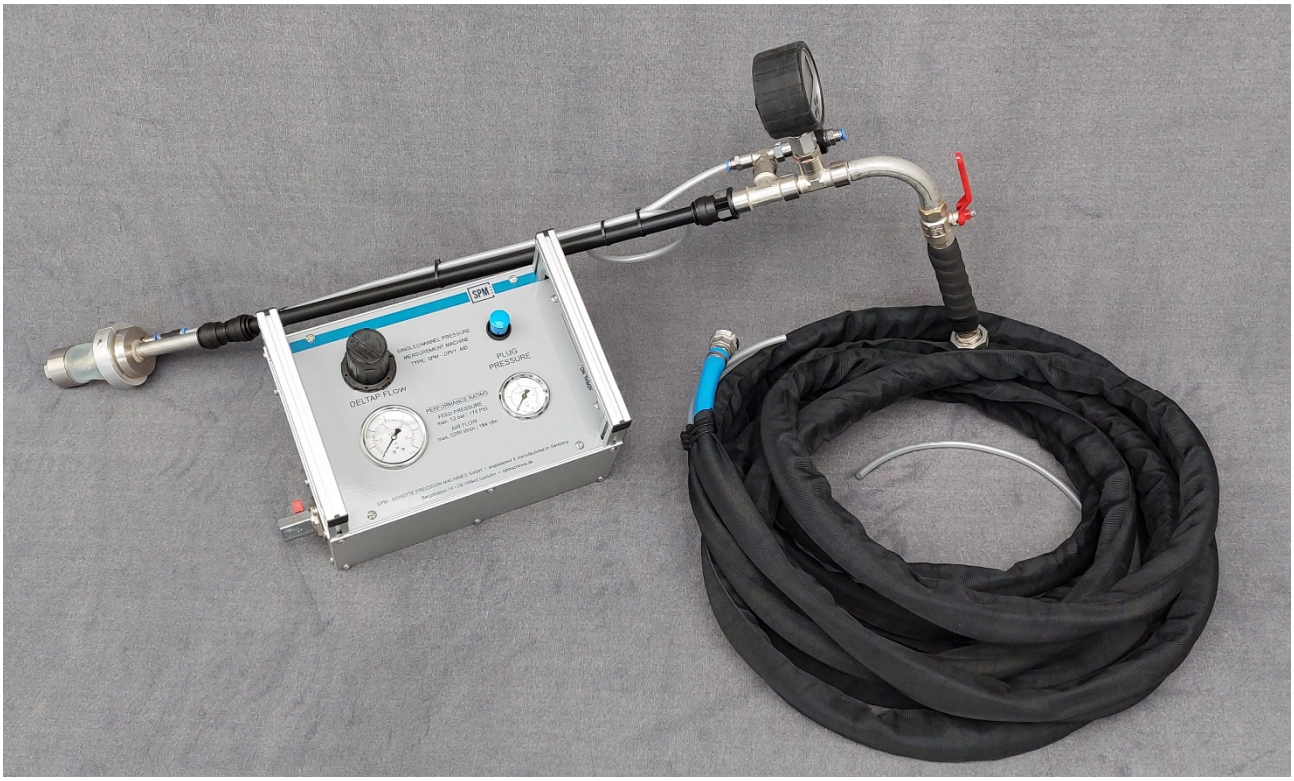
Singlechannel DeltaP



OVERVIEW

The SPM singlechannel DeltaP denotes a high precision backpressure measurement device. It has been designed specifically to provide the operator with the unique flexibility to execute measurements at tubular reactors as well as at reformer reactors most accurately & efficiently.

Besides the requirement for air supply the system is autonomous because of battery powered measurement devices.

It incorporates a modular setup, amongst others with full-flow quick couplings on all air lines.

It is further possible to mount the full range of pneumatic plugs available at SPM, starting with a diameter of 18mm - 3/4“ up to 200mm - 8“ and even larger.

Individual machine configurations are available - to accomodate best fitting to your specific requirements.

MAIN COMPONENTS

- Air Controller
  Compact box with grip handles for adjustment of plug pressure & air flow
- Operating Device
  Pistol-type grip handle with manual switch valves for plug activation & measurement air flow.
- Full digital Manometer / Data Logger
  Display of DeltaP measurement values, incl. Backlight LED & unit-switching; individual executions available
- Pneumatic Plug
  Mounted to the operating device with/ without extension tube; different types & sizes available
- Umbilical
  10m length; interconnecting controller & operating device
- Transportation Box
  Sturdy hardshell box from resin coated plywood; lockable; with grip handles

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MODELS & FEATURES

START

- Manual operation of deltaP air flow & plug activation via switch valves
- **High precision Digital Manometer** battery-powered
- Data values are read from the device, noted down & external analysis by the operator

PRO

- Manual operation of deltaP air flow & plug activation via switch valves
- **High precision Digital Data Logger** battery-powered
- Ford data readout the data logger can be removed from the device via a quick coupling
- Data values are stored in the CSV-File format, together with a date & time stamp external analysis by the operator

PLC

- Manual operation of deltaP air flow & plug activation via switch valves
  Compact PLC
  Full Electronic Control System with colour touch panel
- Besides DeltaP pressure data, also the tube allocation (row & tube-ID) is being recorded on removable SD-Cards
- Data evaluation is being executed with the SPM DeltaP Software Suite

PLC-SE

- Basic execution identical as **PLC**-model
- **Safe Automated Measurement Process:**
  DeltaP air flow & plug activation feature electronic switch valves, which are safely activated via the touch panel

TECHNICAL PARAMETERS

sensor accuracy	START ± 0,4% FS PRO / PLC & PLC-SE ± 0,1% FS
sensor range	0...1000 mbar / 14,5 PSI 0...2500 mbar / 36,3 PSI user defined / vacuum
max. airflow	5‘200 NL/min / 184 cfm
power rating	battery powered START 2x AAA PRO 6x AA
air feed	up to 16 bar / 230 PSI 1/2" metric-female & adapter for 1/2" NPT-F
packing case	650 x 550 x 350 mm 23,6 x 21,6 x 13,8 “ (LxWxH)

ADVANCE NOTICE

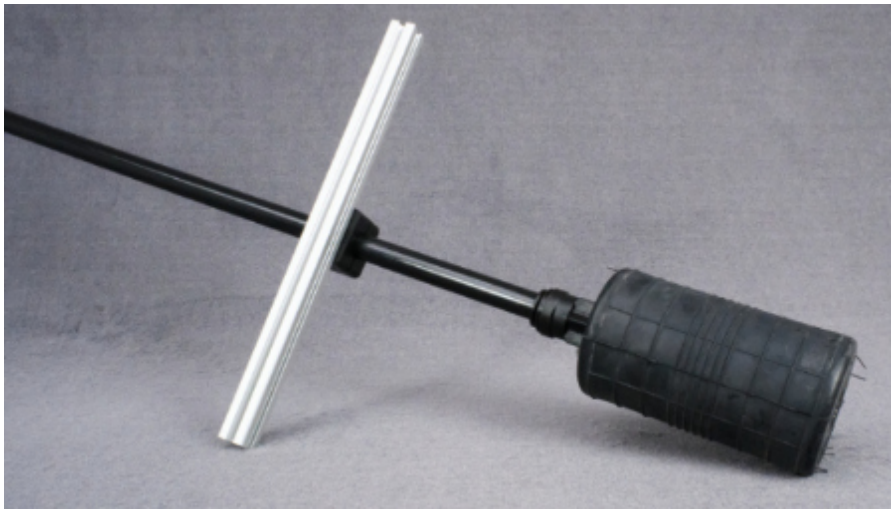
PLC & **PLC-SE** models will be available for delivery from June 2022 onwards

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Pneumatic plugs for tubular application

Different models available for dia 18 - 50mm / 3/4“ - 2“



Pneumatic plugs for reformer application;

Extension tube with adjust-able insertion depth limiter;

Different models available for dia 50 – 200 mm / 2“ - 8“ & larger



Transportation case
Resin-coated plywood with aluminum framing;
Flip-top lid & stackable with locking latches & grip handle

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