TECHNICAL DATA SHEET

The variable pressure measuring device for testing and adjustment of gas engines

The ecom-DP *Engine* is a compact pressure measuring device for the targeted control and adjustment of pressures on stationary and mobile gas engines. Typical applications include the measurement of gas pressure, charge air differential pressure, exhaust gas overpressure, blow-by filters and crank-cases.
The basic version of the device is available with a sensor up to 10 bar and can optionally be extended with a second fine sensor up to 1 bar - ideal for differentiated measuring tasks in various pressure ranges. Six switchable measuring units (e.g. bar, mbar, PSI, mmHg) ensure maximum flexibility in everyday use.

ecom-DP *Engine*

MOBILE PRESSURE MEASUREMENT

Dimensions: approx. 170 x 75 x 35 mm (W x H x D)
Weight: approx. 300 g

Technical data

Purpose			
√ = Standard; ● = Optional			
Gas engine adjustment Gas pressure control (± 80 hPa to 8 bar) Differential pressure at charge air cooler (± 20 to 700 hPa) Exhaust gas overpressure (± 5 to 120 hPa) Differential pressure at the blow-by filter (5 to 50 hPa) Crankcase pressure (- 5 to 100 hPa)			√
Parallel measurement by second pressure sensor			•
Range	**Resolution**	**Accuracay**	
For variant with one pressure sensor 10 bar			
0 - 10 bar	0,001 bar	0,5 % of the measuring range end value	√
0 - 10.200 cmH_2O	1 cmH_2O	0,5 % of the measuring range end value	√
0 - 7.500 mmHg	1 mmHg	0,5 % of the measuring range end value	√
0 - 145 PSI	0,1 PSI	0,5 % of the measuring range end value	√
0 - 4.000 "H_2O	1 "H_2O	0,5 % of the measuring range end value	√
0 - 295 "Hg	0,1 "Hg	0,5 % of the measuring range end value	√
For variant with additional pressure sensor 1 bar			
0 - 1.000 mbar	0,1 mbar	0,3 % of the measuring range end value	•
0 - 1.020 cmH_2O	0,1 cmH_2O	0,3 % of the measuring range end value	•
0 - 750 mmHg	0,1 mmHg	0,3 % of the measuring range end value	•
0 - 14,5 PSI	0,01 PSI	0,3 % of the measuring range end value	•
0 - 400 "H_2O	0,1 "H_2O	0,3 % of the measuring range end value	•
0 - 29,5 "Hg	0,01 "Hg	0,3 % of the measuring range end value	•

Equipment

Connections	
PTFE tubing set with quick coupling up to 10 bar	•
PTFE tubing set with quick coupling up to 1 bar	•
Data processing	
Infrared thermal printer	•
Data storage and data logging via PC software	√
Data display	
Graphic display, backlit	√
Transport	
Plastic transport case	•

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