

PRESSURE MEASUREMENT

- PRESSURE & DIFFERENTIAL PRESSURE MEASUREMENT -

ecom[®] DP engine



EXTREMELY
precise



EXTREMELY
safe



EXTREMELY
complete



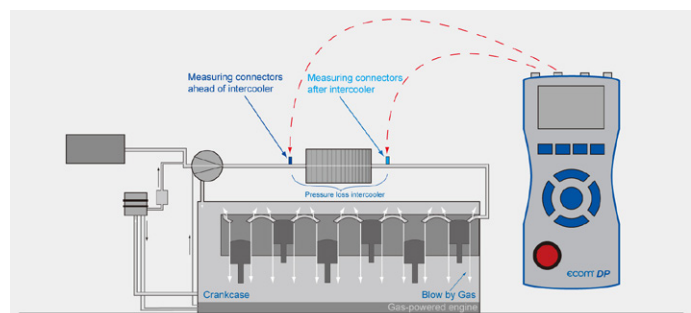
Technical Properties

Ranges	Resolution	Accuracy
0-10 bar	0.001 bar	0.5 % of the upper meas.
0-1 bar	0.1 hPa	0.3 % of the upper meas.

MEASUREMENTS AND ADJUSTMENTS ON ENGINES

ecom-DP Engine EXTREMELY balanced.

✓	For pressure measurements at gas engines
✓	Gas pressure control (± 80 hPa to 10 bar)
✓	Differential pressure measurements in the intercooler (± 20 to 700 hPa)
✓	Exhaust gas overpressure measurement (± 5 to 120 hPa)
✓	Differential pressure measurement in the BlowByfilter (5 to 50 hPa)
✓	Crank case pressure measurements (± -5 to 100 hPa)
✓	Suitable for pressure measurements at gas heaters / burners
✓	Differential pressure measurements in gas heaters/gas burners (connection pressure, nozzle pressure, equipment pressure and static pressure) are also possible
✓	Freeze function (manual temporary storage of a specific measurement value)
✓	Thermal printer (IR) as accessory
✓	Min./max. feature (saves the lowest and highest measured reading)
✓	Data hold (manual intermittent storage of a particular reading)
✓	Adjustable damping
✓	Adjustable parameters for individual tests
✓	Free PC software „ecom-DP Logger“



Design ecom-DP



ECOM-DP ENGINE

SPECIAL VARIANT FOR PRESSURE CHECK AT GAS ENGINES



TECHNISCHE DATEN ECOM-DP ENGINE MIT 1 SENSOR ± 10 BAR

Application field	Gas pressure check (e.g. 80 mbar to 8 bar) Differential pressure at intercooler (e.g. 20 to 700 mbar) Exhaust excess pressure (e.g. 5 to 120 mbar) Difference pressure at Blow-by-filter (e.g. 5 to 50 mbar) Crank case pressure (e.g. -5 to 100 mbar)
Range:	10 bar
Resolution:	0.001 bar
Accuracy:	0.5% of measuring range final value
Indication:	Graphic display with window approx. 43 x 28 mm Resolution 128 x 64 Pixel
Power supply:	3 one-way batteries 1.5V AA (Mignon) or 3 rechargeable batteries 1.2V AA NiMH (metal hydride)
Battery charging:	Battery charging and operation with commercial USB charger possible
Ambient temperature:	0°C to 50°C
Operation temperature:	0°C to +40°C
Data transfer:	PC software DP-Logger (download von www.ecom.de)
Dimensions:	approx. 170 x 75 x 35 mm (L x D x H)
Weight:	approx. 300 g
Delivery:	Incl. 3 batteries and manual

ECOM-DP ENGINE WITH 1 SENSOR ± 10 BAR AND 1 SENSOR ± 1 BAR

As 105001 plus 1 pressure sensor ± 1 bar

- Resolution: 0,1 mbar
- Accuracy: 0,3% of measuring range final value

PRESSURE MEASUREMENT ACCESSORIES

HOSES SET (2 PCS) INCL. COUPLINGS

- For operating pressure up to 25 bar*
 - Length: approx. 4 m each
 - Suitable for high temperatures
 - Resistant to aggressive media
 - Complete with quick- and screw coupling (0-35 bar operating pressure each); M16x2 G1/4 for hydraulic systems
- * The hose pressure resistance is designed for this strain.



HOSES SET (2 PCS) INCL. COUPLINGS

- For operating pressure up to 14 bar*
 - Length: approx. 4 m each
 - Non-aging in oxygen
 - Resistant to aliphatic compounds as well as to most lubricants
 - Complete with quick- and screw coupling (0-35 bar operation pressure each); M16x2 G1/4 for hydraulic system
- * The hose pressure resistance is designed for this strain.

DATA OUTPUT / TRANSFER ACCESSORY

ECOM-P, INFRARED THERMAL PRINTER

For the documentation of the measured values

- Weight: approx. 350 g
- Dimensions: approx. 77 x 77,5 x 40 mm
- Delivered with 1 printer roll and batteries

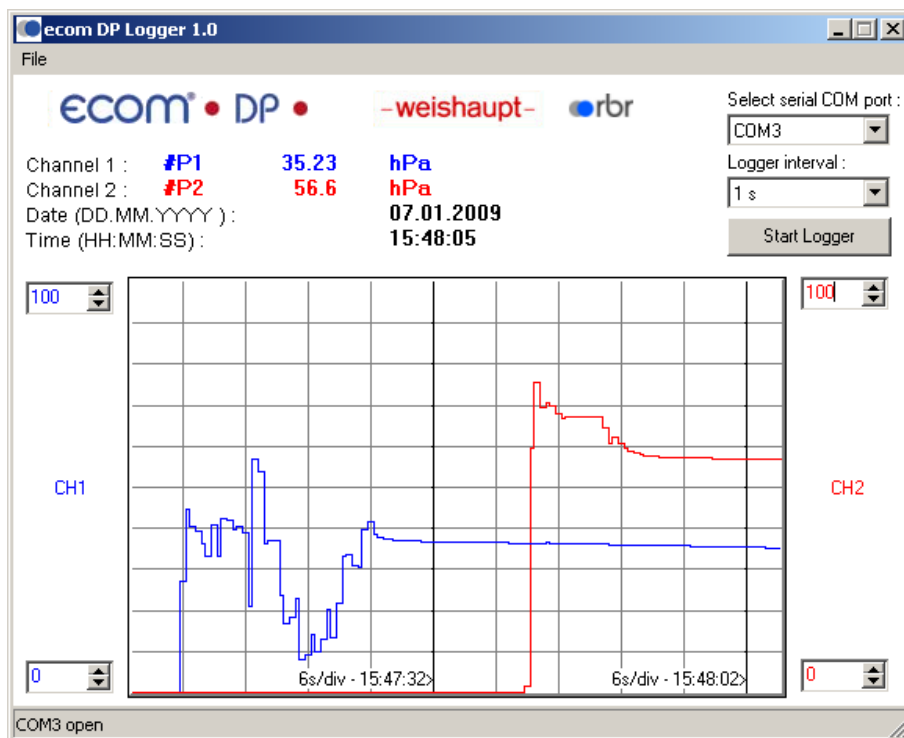


POWER SUPPLY ACCESSORY

RECHARGEABLE BATTERY 2100 MAH 1.2V AA

For DP instrument, instead of one-way battery (3 pcs needed)

Data logger program „ecom-DP Logger“



The measured value process of the **ecom-DP** can be logged with the help of the data logger program „ecom-DP Logger“. The program can be loaded free of charge from the download area of the rbr homepage www.rbr.de. To transfer the data a USB cable (kind becomes. - No.: 55818) and a driver (free download from www.seic.co.kr) is needed. The measured value rows can be stored in the xls format (Excel).



The USB cable can be used as the power supply for the ecom DP. Therefore the function „Battery loading“ must be adjusted on „no“ when using 1,5 V AA (Mignon) batteries!