



Spare Parts Package

■ OEM Package

- available for OEM applications
- separate vacuum sensor (including attached connecting cables)
- LED display (including attached connecting cables)

■ Retrofit Package

- available for retrofitting of existing air cleaners
- also available as Retrofit-Kit: vacuum sensor in combination with LED display (incl. cables)



MANN+HUMMEL Air Cleaners

Please take a look at our air cleaner product catalogues and brochures.



new

Service – just right!



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The Solution

- easy customization to specific demands
- runs independently of vehicle computer (optional LED display)
- heavy duty design



Service – just right!

The new electronic service indicator from MANN+HUMMEL optimizes servicing of your air cleaner.

The Advantages at a Glance:

- reduces operational costs, risk and down time
- continuous indication of the exact pressure restriction
- applicable for all air cleaners in combustion engines and compressors.

Degree of Pollution (Dust Capacity)



Technical Specification

- Measurement Type: Vacuum or Pressure (Reference to Atmosphere)
- Operational Pressure Range: 0 - 100 mbar [0 - 10 kPa]
- Media: Air
- Burst Pressure: 1.3 bar [130 kPa]
- Proof Pressure: 0.7 bar [70 kPa]
- Supply Voltage: Normal 5 Vdc \pm 0.25 Vdc; Sensor can be powered direct from vehicle up to 30 Vdc.
- Accuracy: \pm 2.5 % full scale
- Output Voltage: 0.5 - 4.5 Vdc
- Over-Voltage Protection: 80 V, Forward Voltage
- Reverse Polarity Protection: 36 V, Misconnect 16 V
- Operating Temperature: -40 °C to 125 °C
- Storage Temperature: -40 °C to 125 °C

- Life Cycle: 10 million Full Scale
- Vibration Envelope: 10 - 2000 Hz at 10 g's
- Mounting Connection: M10x1 female thread fits all MANN+HUMMEL air cleaners, adapter for all air cleaners available
- Electrical Socket of Sensor: classification IP67 (in preparation)

