EN—NL—DE
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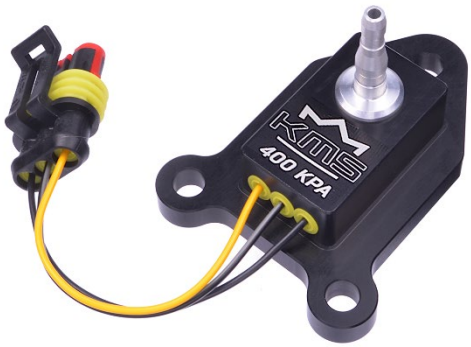
Pressure sensor 400 kPa



- Manual for installation, setup and calibration
- Handleiding voor installatie, instelling en kalibratie
- Anleitung für Installation, Setup und Kalibrierung

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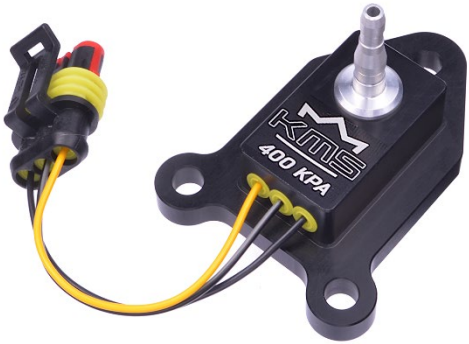
Pressure sensor 400kPa



Technical specifications and
calibration values

KMS KING OF ENGINE PERFORMANCE

EN

This document contains detailed information about the technical specifications and calibration values for the KMS pressure sensor 400 kPa. Additional information, user manuals, wiring examples ands software can be found on our website: *kms.vankronenburg.nl*

Package contents

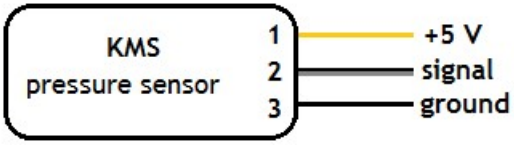
- KMS pressure sensor 400 kPa module
- 3P contra connector superseal
- KMS pressure sensor 400 kPa user manual

Specifications

- EMC protection up to 100V
- Temperature-compensated
- Ratio metric output
- Sensor cell resistive to fuels (incl. Diesel) and oils such as engine lube oil

Wiring

- Yellow: +5V supply from ECU
- Grey/black: signal (0-5V), connect to ECU
- Black: sensor ground, connect to sensor ground of ECU

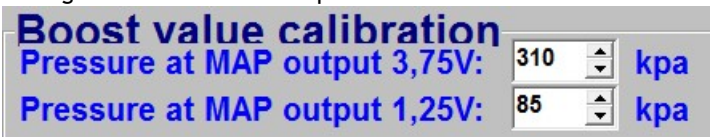


EN

Calibration values

- At 3.75 volt: 312 kPa • At 1.25 volt: 106 kPa

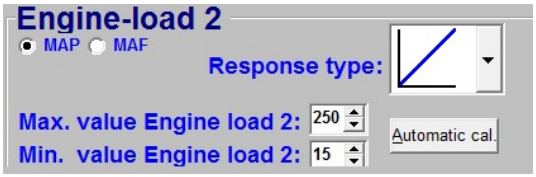
When using a KMS ECU, these values must be set in the KMS ECU software.
See figure below for an example:



Engine-load 2' values for software setup

- Min. value: 15
- Max. value: 250

When using a KMS ECU, these values must be set in the KMS ECU software.
For use on lower pressure scale, see pressure table on next page. See figure below for an example:

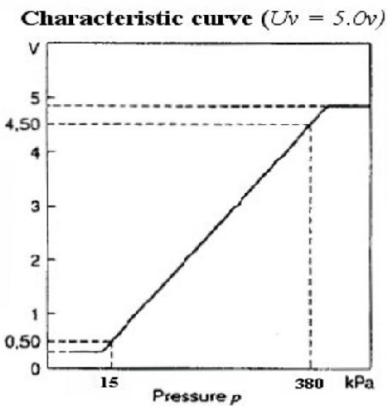


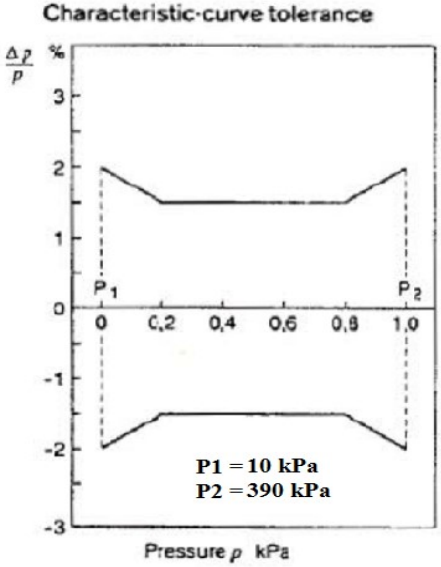
Technical data		*Min.*	*Typical*	*Max.*
Supply voltage Uv	Volt	4.5	5.0	5.5
Current input Iv at Uv = 5 V	mA	6	9	12.5
Minimum pressure offset (0 to 85°C)	Volt	0.241	0.306	0.371
Accuracy (at 25°C)	Volt	-	0.0701	-
Upper Limit at Uv = 5 V	Volt	4.476	4.606	4.736
Response time 10/90	ms	-	1	-
Warm up time	ms	-	20	-
Operating temperature	Deg. C	-40	0 to 85	125

KMS pressure sensor 400 kPa

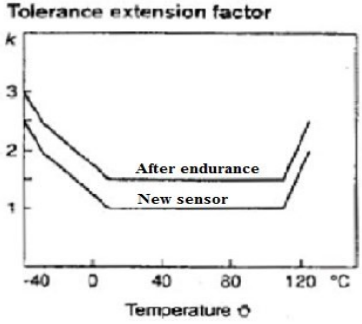
Part nr: 01-01-07-0012

EN





Alternative pressure scales



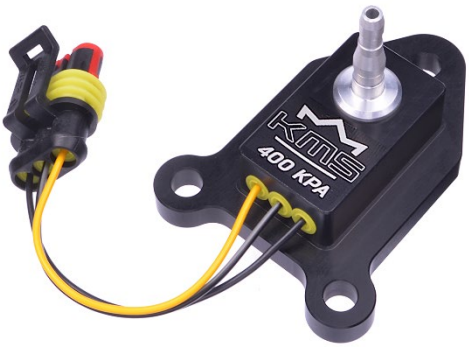
Pressure (kPa)	Min. Value	Max. Value
0-400	15	250
0-350	15	220
0-300	15	190
0-250	15	160
0-200	15	130
0-150	15	100
0-100	15	70

KMS pressure sensor 400 kPa

NL

Druksensor 400 kPa

Onderdeel nr: 01-01-07-0012



Technische specificaties en kalibratie waarden

KING OF ENGINE PERFORMANCE

NL

Dit document bevat gedetailleerde informatie over de KMS druksensor 400 kPa. Overige informatie, handleidingen, kabelboomschema's en software kan worden gevonden op onze website: *kms.vankronenburg.nl*

Inhoud van de kit

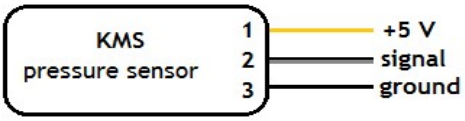
- KMS druksensor 400 kPa
- 3 polige contra stekker superseal
- KMS druksensor 400 kPa handleiding

Specificaties

- EMC bescherming tot 100V
- Temperatuur gecompenseerd
- Metrische uitgang
- Sensor bestand tegen brandstoffen (incl. diesel) en smeerstoffen zoals motorolie

Bekabeling

- Geel: +5V voeding van ECU
- Grijs/zwart: signaal (0-5V), aansluiten op ECU
- Zwart: sensor massa, aansluiten op sensor massa van ECU



KMS druksensor 400 kPa

Calibratiewaarden

- Bij 3.75 volt: 312 kPa • Bij 1.25 volt: 106 kPa

Wanneer er een KMS ECU wordt gebruikt, moeten deze waarden in de KMS ECU software worden ingesteld. Zie onderstaande afbeelding ter illustratie:

'Engine-load 2' waarden voor software setup

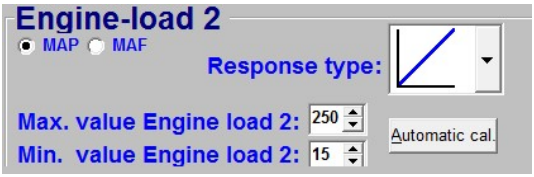
- Min. waarde: 15
- Max. waarde: 250

Wanneer er een KMS ECU wordt gebruikt, moeten deze waarden in de KMS ECU software worden ingesteld. Voor gebruik op lagere drukschaal, zie volgende pagina. Zie onderstaande afbeelding ter illustratie:

KMS druksensor 400 kPa

Onderdeel nr: 01

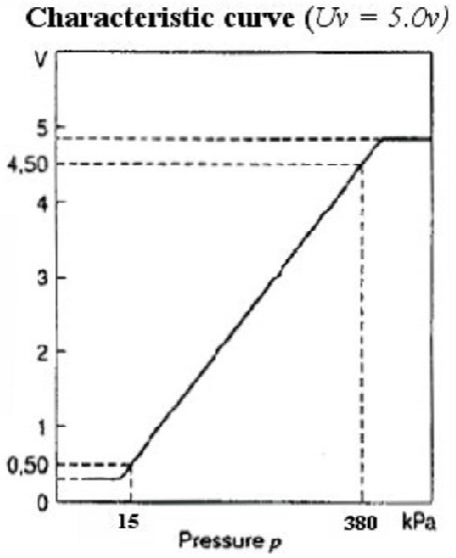
NL

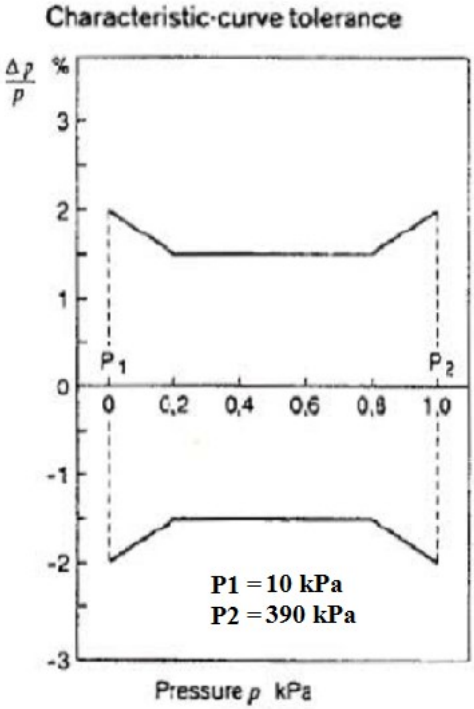


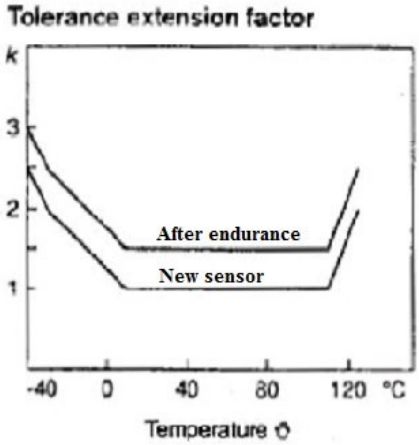
Technical data		*Min.*	*Typical*	*Max.*
Supply voltage Uv	Volt	4.5	5.0	5.5
Current input Iv at Uv = 5 V	mA	6	9	12.5
Minimum pressure offset (0 to 85°C)	Volt	0.241	0.306	0.371
Accuracy (at 25°C)	Volt	-	0.0701	-
Upper Limit at Uv = 5 V	Volt	4.476	4.606	4.736
Response time 10/90	ms	-	1	-
Warm up time	ms	-	20	-
Operating temperature	Deg. C	-40	0 to 85	125

Pressure (kPa)	Min. Value	Max. Value
0-400	15	250
0-350	15	220
0-300	15	190
0-250	15	160
0-200	15	130
-150	15	100
0-100	15	70

KMS druksensor 400 kPa







Alternatieve drukschalen

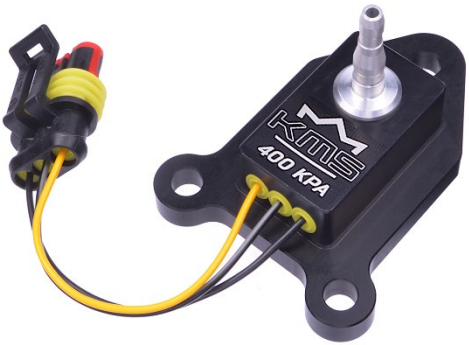
KMS druksensor 400 kPa

Onderdeel nr: 01

DE

Drucksensor 400 kPa

Teilenummer: 01-01-07-0012



Technische Information und Kalibrierungswerte

KING OF ENGINE PERFORMANCE

DE

Dieses Dokument enthält detaillierte Information über den KMS Drucksensor 400 kPa. Weitere Informationen, Bedienungsanleitungen, Schaltpläne finden Sie auf unserer Website: *kms.vankronenburg*.

Inhalt von diesem Kit

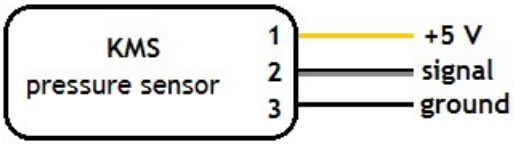
- KMS Ducksensor 400 kPa
- 3-poliger superseal Stecker
- Bedienungsanleitung KMS Drucksensor 400 kPa

Specifikation

- EMC Schutz bis zu 100V
- Temperatur kompensiert
- Metrischer außgang
- Sensor beständig gegen Kraftstoffen (incl. diesel) und Schmierstoffe

Verkabelung

- Gelb: +5V Anschluß vom ECU
- Grau/schwarz: Signal (0-5V) zum ECU
- Schwarz: Sensormasse zur Sensormasse vom ECU



KMS Drucksensor 400 kPa

DE

Kalibrationswerte

- Bei 3.75 Volt: 312 kPa
- Bei 1.25 Volt: 106 kPa

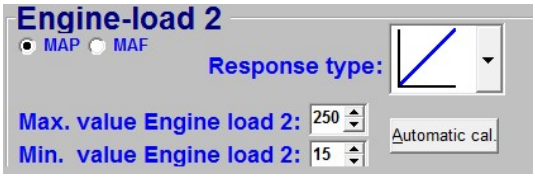
Wenn ein KMS ECU verwendet wird, müssen diese Werte in der KMS ECU Software eingestellt werden. Siehe Abbildung unten für ein Beispiel:

'Engine-load 2' Werte für der Software Eindstellungen

- Min. Werte: 15
- Max. Werte: 250

Wenn ein KMS ECU verwendet wird, müssen diese Werte in der KMS ECU Software eingestellt werden. Wenn Sie einen niedrigeren Druckskala zu verwenden, siehe nächste Seite. Siehe Abbildung unten für ein Beispiel:

DE



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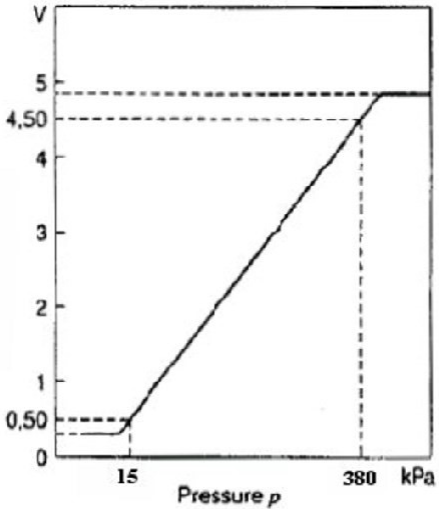
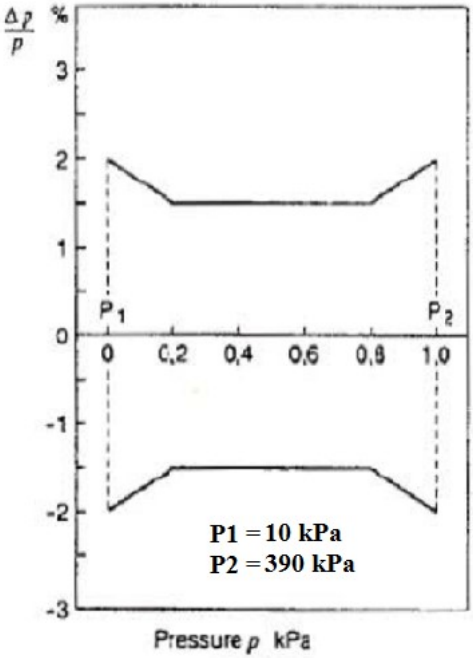
0-100	15	70

KMS Drucksensor 400 kPa

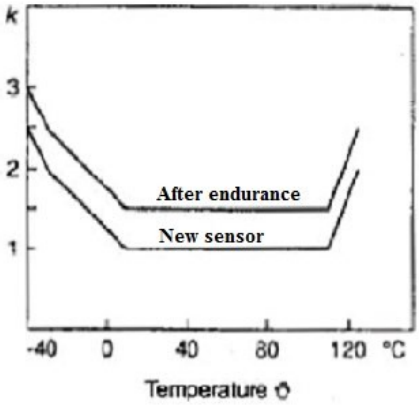
Characteristic curve (*Uv = 5.0v*)



Characteristic-curve tolerance



Tolerance extension factor



KMS Drucksensor 400 kPa

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Please visit our website for more information, manuals, software and prices:

kms.vankronenburg.nl