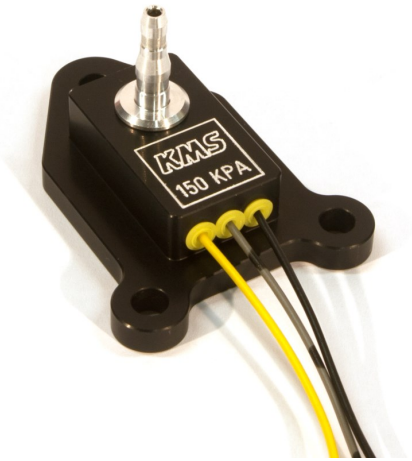
KMS

EN—NL—DE
kms.vankronenburg.nl

Pressure sensor 150 kPa



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

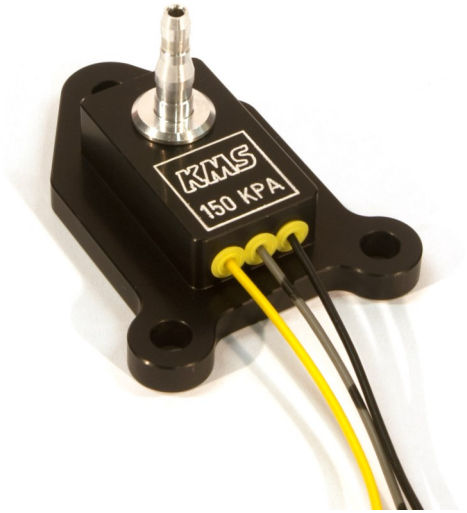
Kronenburg Management Systems

KMS

Pressure sensor 150 kPa

EN

Part nr: 01-01-07-1512



Technical specifications and calibration values

Kronenburg Management Systems

EN

This document contains detailed information about the technical specifications and calibration values for the KMS pressure sensor 150 kPa. Additional information, user manuals, wiring examples ands software can be found on our website: *kms.vankronenburg.nl* or on the software CD included with the ECU.

Package contents

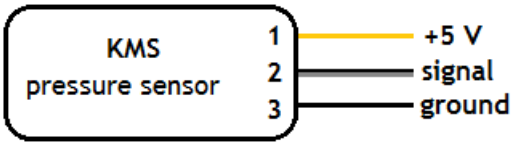
- KMS pressure sensor 150 kPa module
- 3P contra connector superseal
- KMS pressure sensor 150 kPa user manual

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

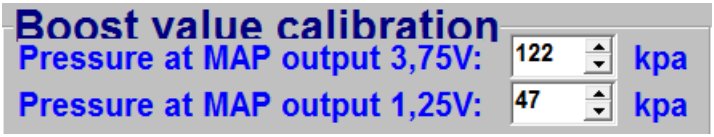
- Yellow: +5V supply from ECU
- Grey/black: signal (0-5V), connect to ECU
- Black: sensor ground, connect to sensor ground of ECU



Calibration values

- At 3.75 volt: 122 kPa
- At 1.25 volt: 47 kPa

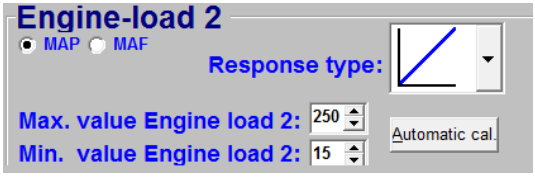
When using a KMS ECU, these values must be set in the KMS ECU software. See figure below for an example:



Engine-load 2' values for software setup

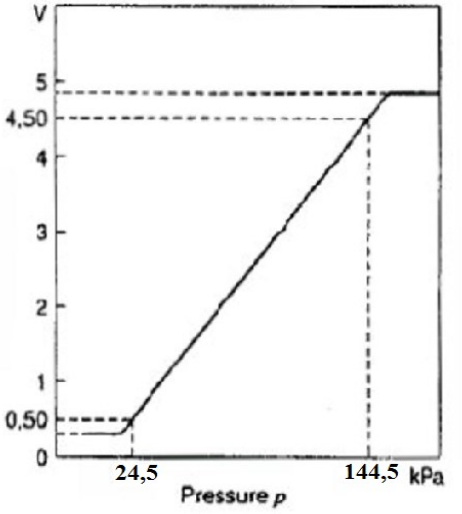
- Min. value: 15
- Max. value: 250

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:

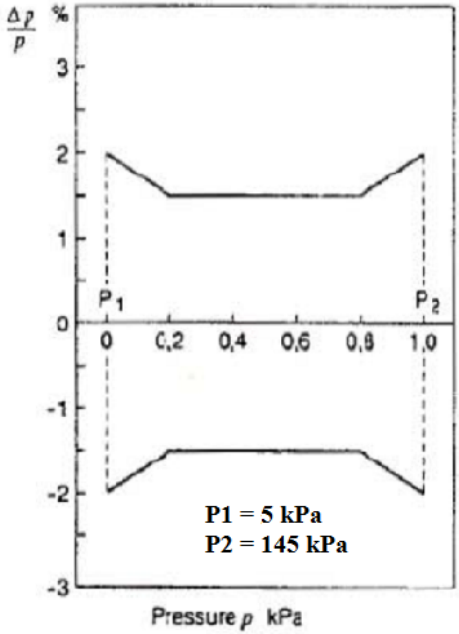


Technical data		*Min.*	*Typical*	*Max.*
Supply voltage Uv	Volt	4.74	5.1	5.46
Current input Iv at Uv = 5 V	mA	-	6	10
Minimum pressure offset (0 to 85°C)	Volt	0.241	0.306	0.371
Accuracy (at 25°C)	Volt	-	0.0701	-
Upper Limit at Uv = 5 V	Volt	4.476	4.606	4.736
Response time 10/90	ms	-	1	-
Warm up time	ms	-	20	-
Operating temperature	Deg. C	-40	0 to 85	125

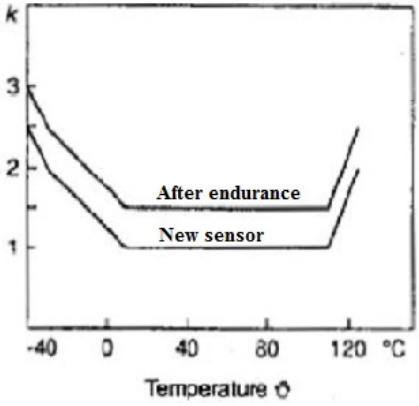
Characteristic curve ($Uv = 5.0v$)



Characteristic-curve tolerance



Tolerance extension factor



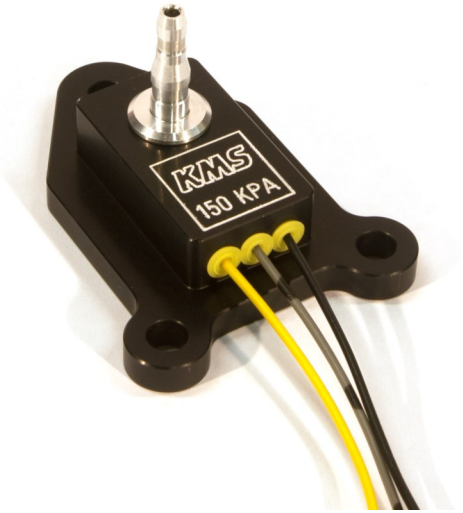
Alternative pressure scales

Pressure	Min. Value	Max. Value
0-150	15	250
0-100	15	170

Druksensor 150 kPa

NL

Onderdeel nr: 01-01-07-1512



Technische specificaties en calibratie waarden

NL

Dit document bevat gedetailleerde informatie over de KMS druksensor 150 kPa. Overige informatie, handleidingen, kabelboomschema's en software kan worden gevonden op onze website: *kms.vankronenburg.nl* of op de software CD bijgeleverd bij deze ECU.

Inhoud van de kit

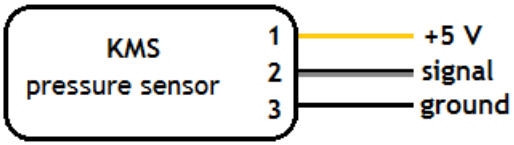
- KMS druksensor 150 kPa
- 3 polige contra stekker superseal
- KMS druksensor 150 kPa handleiding

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

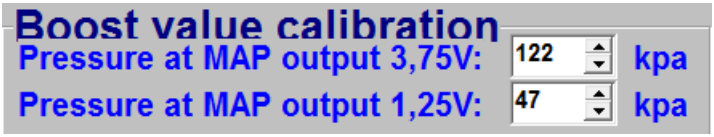


NL

Calibratiewaarden

- Bij 3.75 volt: 122 kPa
- Bij 1.25 volt: 47 kPa

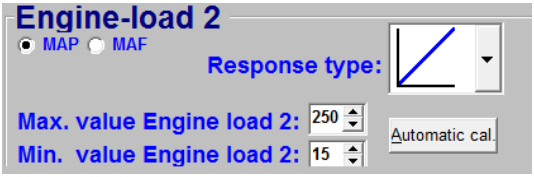
Wanneer er een KMS ECU wordt gebruikt, moeten deze waarden in de KMS ECU software worden ingesteld. Zie onderstaande afbeelding ter illustratie:



‘Engine-load 2’ waarden voor software setup

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

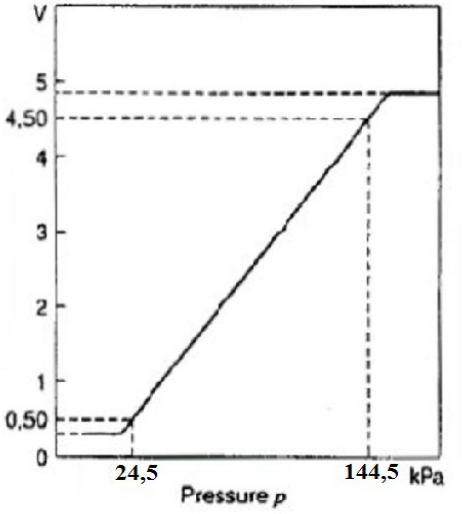
Wanneer er een KMS ECU wordt gebruikt, moeten deze waarden in de KMS ECU software worden ingesteld. Voor gebruik op lagere drukschaal, zie volgende pagina. Zie onderstaande afbeelding ter illustratie:



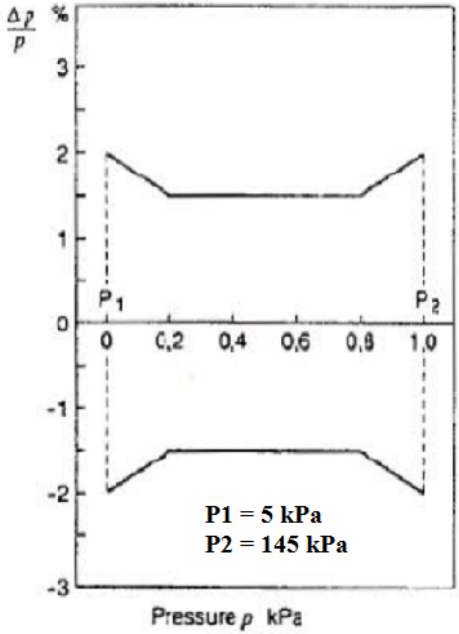
Technical data		*Min.*	*Typical*	*Max.*
Supply voltage Uv	Volt	4.74	5.1	5.46
Current input Iv at Uv = 5 V	mA	-	6	10
Minimum pressure offset (0 to 85˚C)	Volt	0.241	0.306	0.371
Accuracy (at 25˚C)	Volt	-	0.0701	-
Upper Limit at Uv = 5 V	Volt	4.476	4.606	4.736
Response time 10/90	ms	-	1	-
Warm up time	ms	-	20	-
Operating temperature	Deg. C	-40	0 to 85	125

NL

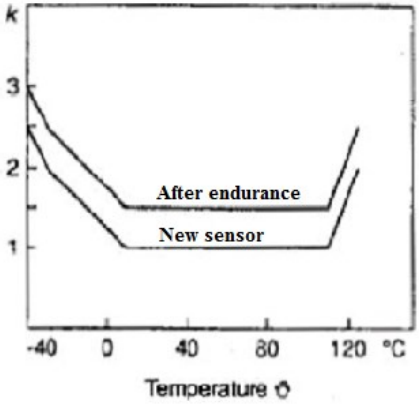
Characteristic curve ($Uv = 5.0v$)



Characteristic-curve tolerance



Tolerance extension factor



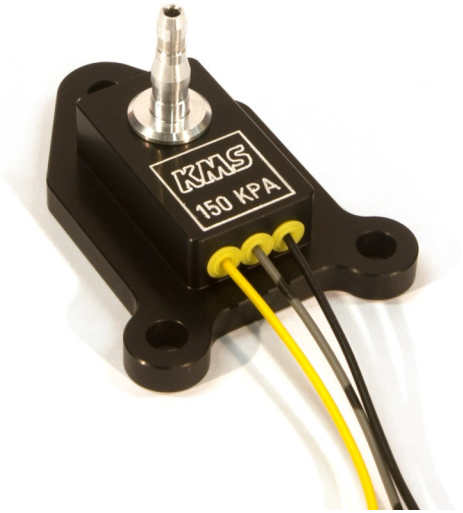
Alternatieve drukschalen

Pressure	Min. Value	Max. Value
0-150	15	250
0-100	15	170

Drucksensor 150 kPa

DE

Teilenummer: 01-01-07-1512



Technische Information und Kalibrierungswerte

Kronenburg Management Systems

DE

Dieses Dokument enthält detaillierte Information über den KMS Drucksensor 150 kPa. Weitere Informationen, Bedienungsanleitungen, Schaltpläne finden Sie auf unserer Website: *kms.vankronenburg.nl* oder auf die bei dem Steuergerät beigelegten CD.

Inhalt von diesem Kit

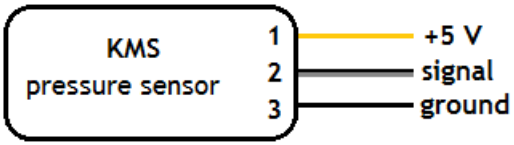
- KMS Ducksensor 150 kPa
- 3-poliger superseal Stecker
- Bedienungsanleitung KMS Drucksensor 150 kPa

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

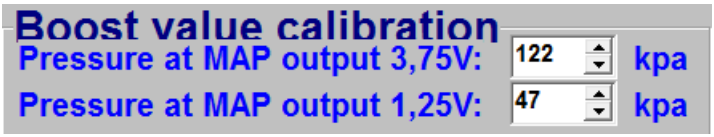


DE

Kalibrationswerte

- Bei 3.75 Volt: 122 kPa
- Bei 1.25 Volt: 47 kPa

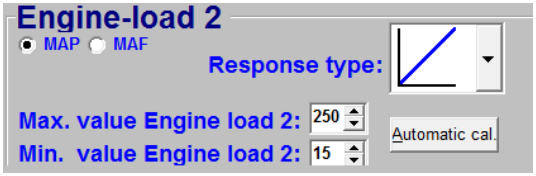
Wenn ein KMS ECU verwendet wird, müssen diese Werte in der KMS ECU Software eingestellt werden. Siehe Abbildung unten für ein Beispiel:



'Engine-load 2' Werte für der Software Eindstellungen

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

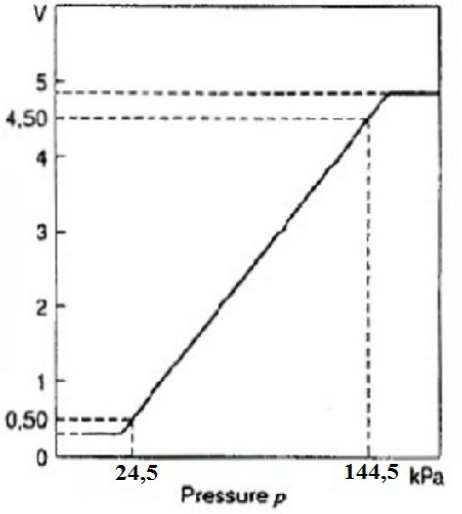
Wenn ein KMS ECU verwendet wird, müssen diese Werte in der KMS ECU Software eingestellt werden. Wenn Sie einen niedrigeren Druckskala zu verwenden, siehe nächste Seite. Siehe Abbildung unten für ein Beispiel:



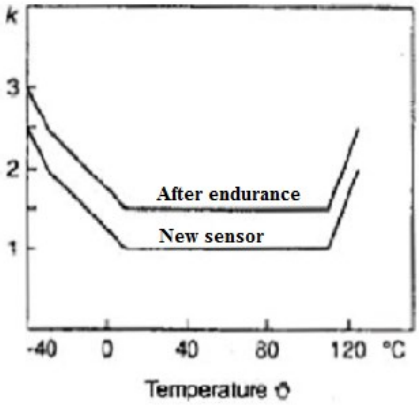
Technical data		*Min.*	*Typical*	*Max.*
Supply voltage Uv	Volt	4.74	5.1	5.46
Current input Iv at Uv = 5 V	mA	-	6	10
Minimum pressure offset (0 to 85°C)	Volt	0.241	0.306	0.371
Accuracy (at 25°C)	Volt	-	0.0701	-
Upper Limit at Uv = 5 V	Volt	4.476	4.606	4.736
Response time 10/90	ms	-	1	-
Warm up time	ms	-	20	-
Operating temperature	Deg. C	-40	0 to 85	125

DE

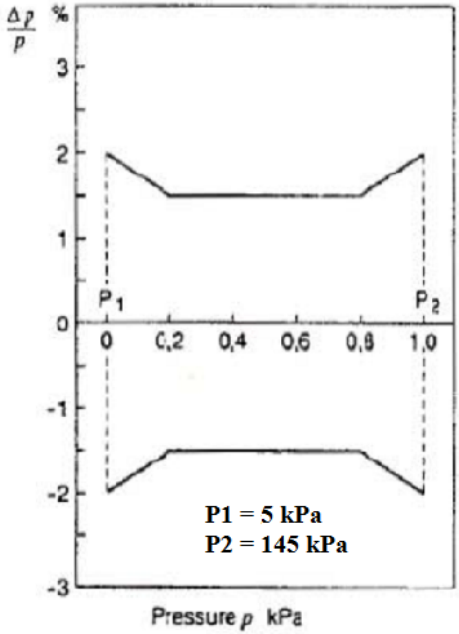
Characteristic curve ($Uv = 5.0v$)



Tolerance extension factor



Characteristic-curve tolerance



Alternative Druckskala

Pressure	Min. Value	Max. Value
0-150	15	250
0-100	15	170

Kronenburg Management Systems

Spaarpot-Oost 19
5667 KT Geldrop
The Netherlands

T +31 (0)40 285 40 64
F +31 (0)40 286 77 65
E info@van-kronenburg.nl

Please visit our website for more information, manuals, software and prices:
kms.vankronenburg.nl