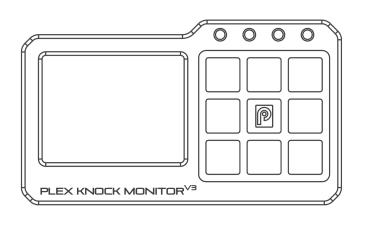
NEW PLEX KNOCK MONITOR V3® TUNE LIKE A PRO. NEVER MISS KNOCK AGAIN





Description

The New PLEX Knock Monitor V3 is a fully re-envisioned and vastly improved professional knock detecion tool that doubles as a generic CAN BUS datalogger for dyno tuners. The new powerful multi-core processor and dedicated hi-fidelity DSP enable cutting edge knock detection with gain per cylinder, knock signal windowing and engine position signal decoding supporting many OEM trigger patterns. The PKM V3 is housed in a new, much more ergonomic aluminum enclosure that features a high-brightness 2.8" colour TFT IPS display and membrane keypad and comes with an improved M8 industrial wiring and connector system, a 100Mbit Ethernet port and USB datalogging. It is also compatible with the PLEX Device Manager V2 and the PLEX PDA-WIN Data Analysis Software.

Applications

- Knock Detection
- Vibration Analysis
- Generic Datalogging
- Engine Tuning
 - -
 - Key Features
- 2.8" High-brightness IPS TFT display
- Basic on-device configuration
- Powerful multi-core processor and new dedi cated audio DSP
- Multi-channel CAN BUS datalogging
- Real-time data streaming via Ethernet
- Unlimited USB datalogging
- Next-level knock detection with gain/cylinder
- Engine position signal decoding
- Hi-fi audio recording and playback function

Price (preliminary)

949EUR - 1.299EUR

Technical Specifications

Inputs	
Knock/vibration sensor inputs	2
Analog inputs 0-5V	2 (shared)
Digital inputs 0-5V	2 (shared)
Engine Position/Trigger VR/Hall Inputs	2
Outputs	
Analog outputs 0-5V	2 (shared)
LEDs	4 RGB (configurable)
Communications	
Can Bus Ports	1
Ethernet	100Mbit
USB	2 (for config. & logging)
Internal Sensors	
Real Time Clock	with battery backup
Device/Sensor voltage monitor	+12V supp./+5V sensor supply
Device Temperature monitor	Yes
Ambient light sensor	-
Data Channels	
Max Data Channels	256 (option for more)
Max Flag Channels	256 (option for more)

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PLEX TUNING O.E. | PLEX KNOCK MONITOR V3 | Enquiries: sales@plex-tuning.com | Support: info@plex-tuning.com

NEW PLEX KNOCK MONITOR V3®

PAGE 2/3

Technical Specifications - Continued

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PC Software

PLEX Device Manager V2	configuration	free
PLEX PDA-WIN	data analysis	free
PLEX PDA-WIN-PRO	data analysis	paid

Fully re-designed, more ergonomic hardware Fully re-designed electronics & new powerful processor New and improved connectors and wiring system New TFT IPS 2.8" bright colour display Significantly improved knock detection accuracy (hi-fi) Significantly enhanced knock detection options Real-time knock frequency analysis - FFT Multi-channel CAN BUS datalogging Crank trigger pattern signal decoding Knock signal windowing vs engine position Per cylinder gain and threshold settings Audio recording and playback function Knock Data & Metrics Raw noise • Knock event frequent Raw noise filtered • Knock count Product Versions • Knock count PLEX-KM-V3-Basic (upgradable) with/without knock sensor set PLEX-KM-V3-HD 2 with or without knock sensor set • Detection per Cylinder Anock Sensor Inputs 2 CAN Bus Port • Detection per Cylinder • Knock Threshold 2D 3D JSB Datalogging • • Chernet • •	 Fully re-designed electronic New and improved connect New TFT IPS 2.8" bright co Significantly improved knoc Significantly enhanced knoc Real-time knock frequency Multi-channel CAN BUS da Crank trigger pattern signal Knock signal windowing vs Per cylinder gain and thresh Audio recording and playba 	es & new powerf ors and wiring s lour display k detection accu ck detection opti analysis - FFT talogging decoding engine position hold settings	ul processor ystem uracy (hi-fi)			
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	Knock windowing	-	•			
Knock Windowing-•Real-time FFT-•	Deal time FFT					

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