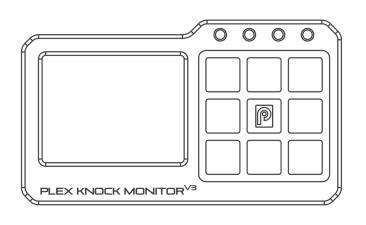
# NEW PLEX KNOCK MONITOR V3® TUNE LIKE A PRO. NEVER MISS KNOCK AGAIN





## 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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# NEW PLEX KNOCK MONITOR V3®

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# **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       •       •	<ul> <li>Fully re-designed electronic</li> <li>New and improved connect</li> <li>New TFT IPS 2.8" bright co</li> <li>Significantly improved knoc</li> <li>Significantly enhanced knoc</li> <li>Real-time knock frequency</li> <li>Multi-channel CAN BUS da</li> <li>Crank trigger pattern signal</li> <li>Knock signal windowing vs</li> <li>Per cylinder gain and thresh</li> <li>Audio recording and playba</li> </ul>	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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Gain per Sensor - •		-	•			
	Knock windowing	-	•			
Knock Windowing-•Real-time FFT-•	Deal time FFT					

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