

CUMPAN data logger

Designation: CUMPAN data logger
Item no.: 20991000672
GTIN: 4262472872226
Customs tariff no.: 9029204080

Intended use

Data logger for vehicles with a combustion engine and a 12 V on-board electrical system. From the moment the ignition is switched on, it records RPM, speed, engine temperature, on-board voltage and three freely assignable analogue inputs to a microSD card, with two analogue inputs additionally recorded at 500 Hz. The signals of an installed CUMPAN Cockpit Assistant are shared without interference; without CUMPAN, the data logger picks up the signals directly on the vehicle.

Technical Data

Electrical

Supply voltage	9–15 V DC, via switched live
Current consumption	approx. 50 mA
Supply connection	12 V red, GND black, each with 6.3 mm blade terminal

Inputs

Analogue inputs	3× 0–5 V, freely assignable
Temperature input	1× NTC, tapped at the CUMPAN
Pulse inputs	1× RPM, 1× speed
On-board voltage	internal measuring channel, resolution 0.01 V
Input connection	open wire ends: AN1 black/white, AN2 black/blue, AN3 white/blue, RPM black, speed grey, temperature green

Function

Sampling rate	20 Hz
High-rate recording	analogue inputs 1 and 2 at 500 Hz, time-synchronised
Data storage	microSD card 32 GB
File format	CSV (semicolon), binary file for 500 Hz
Recording duration	over 3,000 operating hours per card
Analysis assistant	CUMPAN LAB (Windows, macOS), installer on the microSD card
Export	report as HTML, printable as PDF; share card; AI package; CSV

Dimensions and weight

Housing (L×W×H), weight	50×38×12 mm, 100 g
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Environment

Protection rating	IP54, electronics potted
Operating / storage temperature	–20 °C to +70 °C / –30 °C to +80 °C

Conformity

2014/30/EU – EN 50498:2010
 2011/65/EU – EN IEC 63000:2018



Disposal

Devices that can no longer be used should not be disposed of as a whole, but dismantled into their individual parts and recycled according to the type of material. Components that cannot be recycled must be disposed of properly.