



KIEPE SYSTEM DIAGNOSTICS KSD

Diagnostic software for KIEPE control units

- The KSD is a software tool for Windows systems.
- supports the existing and the new generation of Kiepe control units
- Usable within the system phases "Test and commissioning" and "Operation and maintenance"
- for E-buses and light rail vehicles

Based on the Kiepe diagnostic protocol, the Kiepe system diagnostics KSD creates high-resolution process images of the signal variables in the device, which can be observed live on screen and recorded in parallel.

- display of configuration data, events, operating data and parameters
- display of instantaneous values and time-resolved signal characteristics
- user configurable surface with user-defined functions
- (e.g. for display and determination of a vehicle condition / status)
- user-friendly parameterization of the control unit by drag'n'drop
- of parameter sets to the KSD with automatic documentation as PDF
- Supports cybersecure authentication using X.509 certificates

SIGNAL OF RECORDED DATA



PERFORMANCE FEATURES

Type	KSD1
Client	Chrome, Firefox
Database	SQLite (integrated)
Interfaces	Ethernet, RS232
Protocol	According to Kiepe diagnostic protocol specification

The KSD will be connected directly to the (central) diagnostic interface of the vehicle.

The KSD has been designed as a system diagnostics so that several devices can be displayed and recorded in parallel. This way it is possible to observe the whole systems and to recognize possible correlations between different control units.

OPERATING DATA, SOFTWARE STATUS and EVENTS of the control unit

Betriebsdaten

[07:47:45] Knoten [3]

Startdatum der Betriebsdat
Anzahl Tage Startdatum →

Energys

Energy consumption

Miscellaneous

ASU Serial
Start procedures
Test BYTE 7
VBAT3V

Operating hours

Betriebsstunden ASU

Konsole

[07:47:35] Knoten [3]

STM32 (IAC_KGU)

Ausgelesene Konfigurationsinformationen:

- Gerätenummer : 3
- Fahrzeugnummer : 0
- Batteriepufferungsstatus: 0
- Mastermodul: Software-Versionsnummern
- Installationsdatei : 20.100048.7819
- Laufzeitkern : 000000000000AA
- Profildatei : KGUIAC_TEST001
- Konfig. Bremsprüfung : 111222333444CC
- Slavemodul(e) nicht vorhanden
- Keine anstehenden/unbestimmten Ereignisse im Ereignisspeicher
- Datum und Uhrzeit im Gerät: 2019-10-31 08:55:03

Ereignisse

[07:48:03] Knoten [3], Aufzeichnung ab 2019-09-24 12:14:59, maximal 200 Einträge

- 14:14:16 [43] Warning: Power balance DC-link/output >
- 2019-10-14
- 14:13:16 [43] Warning: Power balance DC-link/output
- 2019-10-14
- 14:13:02 [43] Warning: Power balance DC-link/output >
- 2019-10-14
- 14:12:02 [43] Warning: Power balance DC-link/output
- 2019-10-14
- 14:11:48 [43] Warning: Power balance DC-link/output >
- 2019-10-14

Knoten	Benennung	Zykluszeit	IP-Adresse	Port
1	STM32	1 ms	192.168.2.20	41001
2	STM32	1 ms	192.168.2.21	41001
3	STM32	1 ms	192.168.2.22	41001 ✓
4	STM32	1 ms	192.168.2.23	41001

ASU Sensor Data:

ASU Sensor	Value	Unit
ASUS01	0	(mA)
ASUS02	6,052	(mA)
ASUS03	0	(mA)
ASUS04	0	(mA)
ASUS05	0	(mA)
ASUS06	0	(mA)
ASUS07	2,461	(mA)
ASUS08	12,580	(mA)
ASU_5_1	0	(%)

intelligentAirControl

KSD – Kiepe System Diagnose
v1.09 (c) 2015-2019 Kiepe Electric, Düsseldorf

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