

## ISO ISO 14229:1998

# ISO 14229:1998 Road Vehicles - Diagnostic Systems - Diagnostic Services Specification

Official Instruction Manual

## 1. INTRODUCTION

This document serves as the official instruction manual for ISO 14229:1998, an International Standard concerning diagnostic systems in road vehicles. It outlines the common requirements for diagnostic services, enabling a diagnostic tester to interact with on-vehicle electronic control units (ECUs).



Figure 1: Cover page of the ISO 14229:1998 International Standard document, showing the title and ISO logo.

## 2. SCOPE AND PURPOSE

This International Standard specifies the common requirements for diagnostic services. These services facilitate a diagnostic tester's control over diagnostic functions within an on-vehicle electronic control unit (ECU). Examples of such ECUs include electronic fuel injection systems, automatic gearboxes, and anti-lock braking systems. The connection for these diagnostic functions is established via a serial data link embedded within the road vehicle.

Furthermore, this standard defines generic services that allow the diagnostic tester to either stop or resume the transmission of non-diagnostic messages on the data link. This capability is crucial for managing data flow during diagnostic operations.

### 3. EXCLUSIONS AND LIMITATIONS

It is important to note that this International Standard has specific exclusions:

- It does not apply to non-diagnostic message transmission itself.
- It does not apply to the use of the communication data link between two electronic control units.
- It does not specify implementation requirements.
- It does not define numerical values for services and parameters.
- It does not specify requirements for the communication services themselves.

The focus is strictly on the diagnostic services specification, not the underlying communication protocols or specific implementation details.

### 4. APPLICABILITY OF VEHICLE DIAGNOSTIC ARCHITECTURE

The vehicle diagnostic architecture described by this International Standard is applicable in two primary scenarios:

- **Single Tester Connection:** This standard applies to a single diagnostic tester that may be temporarily or permanently connected to the on-vehicle diagnostic data link.
- **Multiple Electronic Control Units:** It also applies to several on-vehicle electronic control units that are connected either directly or indirectly to the diagnostic system.

This ensures a standardized approach to diagnostics across various vehicle configurations.

### 5. SPECIFICATIONS

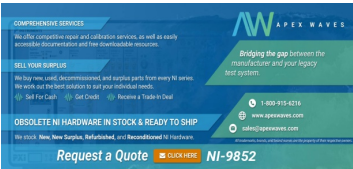
Key specifications and details of the ISO 14229:1998 standard are provided below:

Attribute	Value
ASIN	B000XYTIPQ
Publisher	Multiple. Distributed through American National Standards Institute (ANSI)
Publication Date	August 23, 2007
Language	English
Print Length	58 pages
Item Weight	6.9 ounces
Dimensions	8.25 x 0.14 x 10.5 inches

### 6. FURTHER INFORMATION

For detailed technical specifications and complete content, refer to the full ISO 14229:1998 standard document. This manual provides a summary of its core principles and applicability.

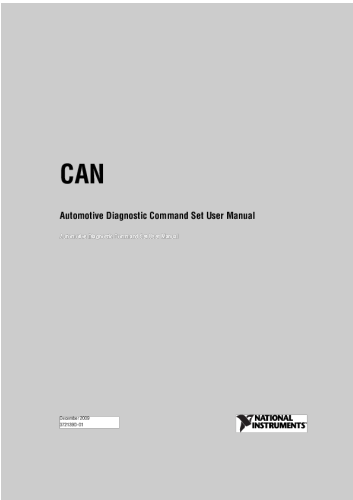
Documents - ISO – ISO 14229:1998



[\[pdf\]](#) User Manual Documentation Guide Warranty

Automotive Diagnostic Command Set User Manual National Instruments Technical Communications Kwp2000 Guide Keyword Rankings automotive diagnostic command set user manual apexwaves manuals NI 9852 |||

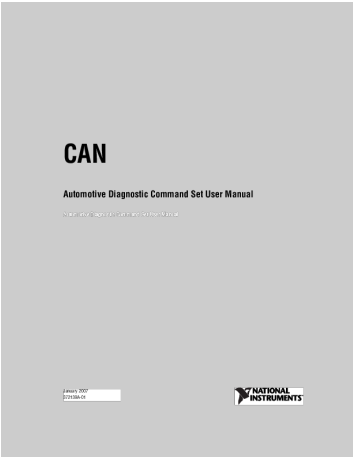
NI-9852 CAN and LIN Automotive Diagnostic Command Set User Manual Automotive Diagnostic Command Set ... Package, Revision 2.2 ISO 14230:1999 E , Road Vehicles, Diagnostic Systems, Keyword Protocol 2000 **ISO 14229:1998 E** , Road Vehicles, Diagnostic Systems, Diagnostic Services Specification ISO 157651:... lang:en **score:27** filesize: 3.43 M page\_count: 448 document date: 2023-05-15



[\[pdf\]](#) User Manual

Automotive Diagnostic Command Set User Manual National Instruments Technical Communications 372139d ni support hiq manuals |||

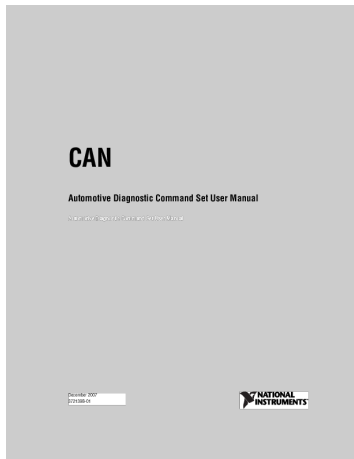
CAN Automotive Diagnostic Command Set User Manual Automotive Diagnostic Command Set User Manual Dece ... 9 Stuttgart 1 CiA Draft Standard 102, Version 2.0, CAN Physical Layer for Industrial Applications **ISO 14229:1998 E** , Road Vehicles, Diagnostic Systems, Diagnostic Services Specification ISO 14230-1... lang:en **score:15** filesize: 1.87 M page\_count: 334 document date: 2018-10-18



[\[pdf\]](#) User Manual

Archived Automotive Diagnostic Command Set User Manual National Instruments Technical Communications 372139a ni support lookout manuals |||

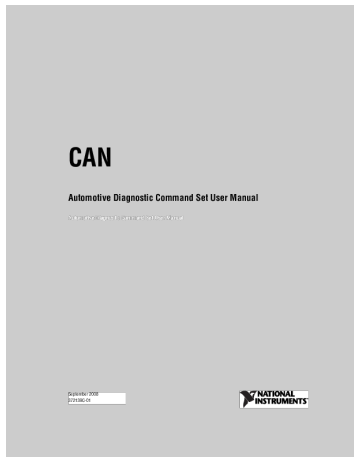
CAN Automotive Diagnostic Command Set User Manual Automotive Diagnostic Command Set User Manual Janu ... 9 Stuttgart 1 CiA Draft Standard 102, Version 2.0, CAN Physical Layer for Industrial Applications **ISO 14229:1998 E** , Road Vehicles, Diagnostic Systems, Diagnostic Services Specification ISO 14230-1... lang:en **score:15** filesize: 1.06 M page\_count: 297 document date: 2018-09-17



[\[pdf\]](#) User Manual

Archived Automotive Diagnostic Command Set User Manual National Instruments Technical Communications 372139b ni support daq manuals |||

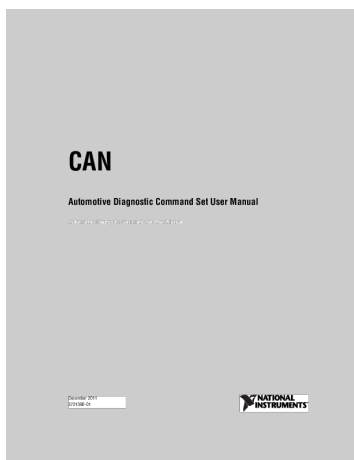
CAN Automotive Diagnostic Command Set User Manual Automotive Diagnostic Command Set User Manual Dece ... 9 Stuttgart 1 CiA Draft Standard 102, Version 2.0, CAN Physical Layer for Industrial Applications **ISO 14229:1998 E** , Road Vehicles, Diagnostic Systems, Diagnostic Services Specification ISO 14230-1... lang:en **score:15** filesize: 1.07 M page\_count: 301 document date: 2018-09-13



[\[pdf\]](#) User Manual

Archived Automotive Diagnostic Command Set User Manual National Instruments Technical Communications 372139c ni support lookout labwindows manuals |||

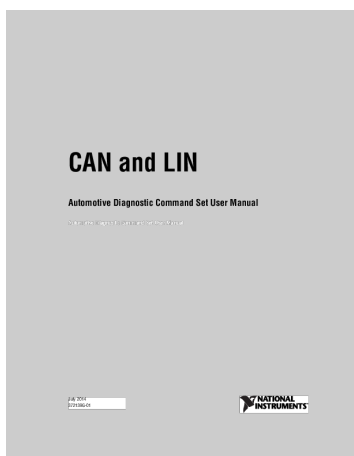
CAN Automotive Diagnostic Command Set User Manual Automotive Diagnostic Command Set User Manual Sept ... 9 Stuttgart 1 CiA Draft Standard 102, Version 2.0, CAN Physical Layer for Industrial Applications **ISO 14229:1998 E** , Road Vehicles, Diagnostic Systems, Diagnostic Services Specification ISO 14230-1... lang:en **score:15** filesize: 1.78 M page\_count: 302 document date: 2018-07-12



[\[pdf\]](#) User Manual Instructions Documentation Warranty

Automotive Diagnostic Command Set User Manual National Instruments Technical Communications 372139e ni support labwindows manuals |||

CAN Automotive Diagnostic Command Set User Manual Automotive Diagnostic Command Set User Manual Dece ... 9 Stuttgart 1 CiA Draft Standard 102, Version 2.0, CAN Physical Layer for Industrial Applications **ISO 14229:1998 E** , Road Vehicles, Diagnostic Systems, Diagnostic Services Specification ISO 14230-1... lang:en **score:15** filesize: 2.23 M page\_count: 389 document date: 2018-10-18



[\[pdf\]](#) User Manual Documentation Warranty

Automotive Diagnostic Command Set User Manual National Instruments Technical Communications 372139g ni support labview manuals |||

CAN and LIN Automotive Diagnostic Command Set User Manual Automotive Diagnostic Command Set User Man ... Package, Revision 2.2 ISO 14230:1999 E , Road Vehicles, Diagnostic Systems, Keyword Protocol 2000 **ISO 14229:1998 E** , Road Vehicles, Diagnostic Systems, Diagnostic Services Specification ISO 157651:... lang:en **score:15** filesize: 2.54 M page\_count: 447 document date: 2018-10-18

# CAN

Automotive Diagnostic Command Set User Manual  
National Instruments

January 2007  
372139A-01

NATIONAL  
INSTRUMENTS

## [\[pdf\]](#) User Manual

Automotive Diagnostic Command Set User Manual 372139A 01 January 2007 Technical Communications  
ni support ind comm CAN ADCS |||

CAN Automotive Diagnostic Command Set User Manual Automotive Diagnostic  
Command Set User Manual Janu ... 9 Stuttgart 1 CiA Draft Standard 102, Version  
2.0, CAN Physical Layer for Industrial Applications **ISO 14229:1998** E , Road  
Vehicles, Diagnostic Systems, Diagnostic Services Specification ISO 14230-1...  
lang:en **score:12** filesize: 1.68 M page\_count: 297 document date: 2007-01-19