

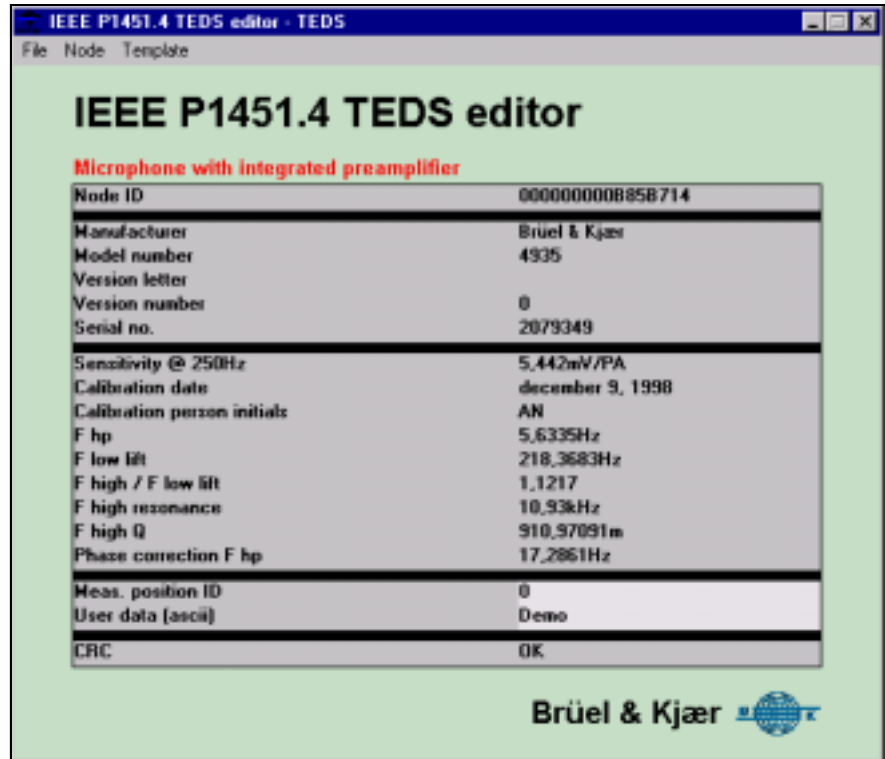
PRODUCT DATA

TEDS Editor for IEEE P1451.4 Transducers — BZ 5294

BZ 5294 is a PC-based Windows® program for reading, writing and editing data in IEEE P1451.4 capable transducers. The program is available on CD or may be downloaded from Brüel & Kjær's website www.bksv.com free of charge. Licences to edit transducer specific data in the TEDS are available.

FEATURES

- Enables IEEE P1451.4 TEDS (Transducer Electronic Data Sheet) to be read and edited directly in transducers or via disk
- Enables the use of extended functionality in transducers, e.g., variable gain
- Enables digital control of several IEEE P1451.4 transducers on the same cable (serial multiplexing)
- Enables updating of TEDS to future versions of IEEE 1451.4
- Enables remapping of TEDS to accommodate transducers with additional accessories, e.g., preamplifiers containing TEDS with transducers not containing TEDS
- Enables the set of embedded templates in NEXUS™ and 16-channel DeltaTron® Conditioning Amplifier Type 2694 to be changed



BENEFITS

- Calibration applications: transducer specification may be written into TEDS (licence BZ 5294-MS4 required)
- Transducer manufacturer applications: possible to write data into TEDS (licence BZ 5294-MS5 required)

System Requirements

- Microsoft® Windows® 95/98/2000/NT® 4.0 (Service Pack 3 or higher recommended) or later
- 486DX/66MHz or higher processor (Pentium or higher processor recommended)
- A CD-ROM disk drive or Internet for installation
- SVGA 800 × 600, 256 colours or higher resolution screen supported by Microsoft® Windows®
- 24 MB of RAM for Windows® 95, 32 MB of RAM for Windows NT® Workstation

- A mouse or other suitable pointing device
- 100% Windows®-compatible 16-bit sound card (optional)
- 10 MB free harddisk space

One of the following is required to access the transducer:

- NEXUS™ with SW Ver. 2.0.0 or later
- Demo Adaptor UA 2019, DS9097E or DS9097U with the appropriate cable for the transducer
- 16-channel DeltaTron® Conditioning Amplifier Type 2694
- In order to edit TEDS, you need a MicroLAN Adaptor DS9097U-009 and a Licence (included in WA0876 and WA0877)

BZ 5294

Instruments from Brüel & Kjær and ENDEVCO that support TEDS

SOFTWARE

7749 NEXUS™ Control Software
 BZ 5294 TEDS Editor Software
 BZ 5291 Control Software for 16-channel Conditioning Amplifier
 SW 2000 Control Software for OASIS

MICROPHONE AND PREAMPLIFIER COMBINATIONS

4138-A-015 Pressure-field 1/8" Mic. Type 4138, UA 0160, 2670 w/ TEDS
 4138-B-006 Pressure-field 1/8" Mic. Type 4138, UA 0036, 2669 B w/ TEDS
 4138-C-006 Pressure-field 1/8" Mic. Type 4138, UA 0036, 2669 C w/ TEDS
 4138-L-006 Pressure-field 1/8" Mic. Type 4138, UA 0036, 2669 L w/ TEDS
 4188-B-001 Prepolarized Free-field 1/2" Mic. Type 4188, 2669 B w/ TEDS
 4188-C-001 Prepolarized Free-field 1/2" Mic. Type 4188, 2669 C w/ TEDS
 4188-L-001 Prepolarized Free-field 1/2" Mic. Type 4188, 2669 L w/ TEDS
 4188-A-021 Prepolarized Free-field 1/2" Mic. Type 4188, 2671 w/ TEDS
 4189-B-001 Prepolarized Free-field 1/2" Mic. Type 4189, 2669 B w/ TEDS
 4189-C-001 Prepolarized Free-field 1/2" Mic. Type 4189, 2669 C w/ TEDS
 4189-L-001 Prepolarized Free-field 1/2" Mic. Type 4189, 2669 L w/ TEDS
 4189-A-021 Prepolarized Free-field 1/2" Mic. Type 4189, 2671 w/ TEDS
 4942-B-001 Prepolarized Diffuse-field 1/2" Mic. Type 4942, 2669 B w/ TEDS
 4942-C-001 Prepolarized Diffuse-field 1/2" Mic. Type 4942, 2669 C w/ TEDS
 4942-L-001 Prepolarized Diffuse-field 1/2" Mic. Type 4942, 2669 L w/ TEDS
 4942-A-021 Prepolarized Diffuse-field 1/2" Mic. Type 4942, 2671 w/ TEDS
 4190-B-001 Free-field 1/2" Mic. Type 4190, 2669 B w/ TEDS
 4190-C-001 Free-field 1/2" Mic. Type 4190, 2669 C w/ TEDS
 4190-L-001 Free-field 1/2" Mic. Type 4190, 2669 L w/ TEDS
 4191-B-001 Free-field 1/2" Mic. Type 4191, 2669 B w/ TEDS
 4191-C-001 Free-field 1/2" Mic. Type 4191, 2669 C w/ TEDS
 4191-L-001 Free-field 1/2" Mic. Type 4191, 2669 L w/ TEDS
 4192-B-001 Pressure-field 1/2" Mic. Type 4192, 2669 B w/ TEDS
 4192-C-001 Pressure-field 1/2" Mic. Type 4192, 2669 C w/ TEDS
 4192-L-001 Pressure-field 1/2" Mic. Type 4192, 2669 L w/ TEDS
 4193-B-004 Pressure-field 1/2" Mic. Type 4193, UC 0211, 2669 B w/ TEDS
 4193-C-004 Pressure-field 1/2" Mic. Type 4193, UC 0211, 2669 C w/ TEDS
 4193-L-004 Pressure-field 1/2" Mic. Type 4193, UC 0211, 2669 L w/ TEDS
 4943-B-001 Diffuse-field 1/2" Mic. Type 4943, 2669 B w/ TEDS
 4935 Array Mic. including preamplifier
 4943-C-001 Diffuse-field 1/2" Mic. Type 4943, 2669 C w/ TEDS
 4943-L-001 Diffuse-field 1/2" Mic. Type 4943, 2669 L w/ TEDS
 4938-A-011 Pressure-field 1/4" Mic. Type 4938, 2670 w/ TEDS
 4938-B-002 Pressure-field 1/4" Mic. Type 4938, UA 0035, 2669 B w/ TEDS
 4938-C-002 Pressure-field 1/4" Mic. Type 4938, UA 0035, 2669 C w/ TEDS
 4938-L-002 Pressure-field 1/4" Mic. Type 4938, UA 0035, 2669 L w/ TEDS
 4939-A-011 Free-field 1/4" Mic. Type 4939, 2670 w/ TEDS
 4939-B-002 Free-field 1/4" Mic. Type 4939, UA 0035, 2669 B w/ TEDS
 4939-C-002 Free-field 1/4" Mic. Type 4939, UA 0035, 2669 C w/ TEDS
 4939-L-002 Free-field 1/4" Mic. Type 4939, UA 0035, 2669 L w/ TEDS
 4941-A-011 High Level Pressure-field 1/4" Mic. Type 4941, 2670 w/ TEDS
 4941-B-002 High Level Pressure-field 1/4" Mic. Type 4941, UA 0035, 2669 B w/ TEDS
 4941-C-002 High Level Pressure-field 1/4" Mic. Type 4941, UA 0035, 2669 C w/ TEDS
 4941-L-002 High Level Pressure-field 1/4" Mic. Type 4941, UA 0035, 2669 L w/ TEDS

4944 A DeltaTron® Pressure-field 1/4" Mic. including preamplifier

MICROPHONE PREAMPLIFIERS

2669 Mic. Preamplifier
 2670 Mic. Preamplifier
 2671 1/2" DeltaTron® Mic. Preamplifier
 2695 1/2" Compact DeltaTron® Mic. Preamplifier

BRÜEL & KJÆR ACCELEROMETERS

4506 B Triaxial Accelerometer
 4506-B-002 Triaxial Accelerometer
 4506-B-003 Triaxial Accelerometer
 4507 B Accelerometer (7 types)
 4508 B Accelerometer (5 types)

ENDEVCO ACCELEROMETERS

61C12 Accelerometer
 61C13 Accelerometer
 63C12 Triaxial Accelerometer
 63C13 Triaxial Accelerometer
 66A11 Miniature Triaxial Accelerometer
 66A12 Miniature Triaxial Accelerometer
 66A50 Miniature Triaxial Accelerometer
 27A11 Miniature Accelerometer
 27A12 Miniature Accelerometer
 702A11 Accelerometer
 702A12 Accelerometer
 752A13 Accelerometer
 7752A13 Accelerometer

CONVERTERS

2647 Charge to DeltaTron® Converter w/ two gain switch, 1mV/pC, 10mV/pC
 2647 A Charge to DeltaTron® Converter w/ gain 1mV/pC
 2647 B Charge to DeltaTron® Converter w/ gain 10mV/pC
 2782 ENDEVCO 2801-1 Inline TEDS module for Piezoelectric accelerometers.
 2782M1 ENDEVCO 2801-1 Inline TEDS module for ISOTRON®.
 2771 B Remote Charge Converter

CONDITIONERS

2690/1/2/3 NEXUS™ Conditioning Amplifiers (12 versions, plus configurable unit)
 2694 A/B/C/D 16-channel Conditioning Amplifiers (4 versions)
 2829 4 channel Mic. Power Supply
 482B 8 channel Smart ISOTRON® Amplifier card for OASIS 2000

ANALYZERS

3109 PULSE™ Generator 4 input/2 output 25.6 kHz Module
 3032, 3032B PULSE™ 6-channel input 25.6 kHz Module
 3030 PULSE™ 6-channel input 12.8 kHz Module
 3110 PULSE™ Generator 2 input/1 output 102.4 kHz Module
 7533 PULSE™ 1-channel LAN Interface Module

HAND-HELD PROGRAMMER

36004 Hand-held Programmer

Ordering Information

TEDS EDITOR KITS

WA 0876 TEDS Editor Calibration Kit including: TEDS Editor SW BZ 5294, TEDS Editor Calibration Licence BZ 5294-MS4, Dallas Adaptor DS9097U, Cable for DS9097 WL1363, BNC to Falcon Range® Adaptor AO 1444
 WA 0877 TEDS Editor Development Kit including: TEDS Editor SW BZ 5294, TEDS Editor Developers Licence BZ 5294-MS5, Dallas Adaptor DS9097U, Cable for DS9097 WL1363, BNC to Falcon Range Adaptor AO 1444
 WA 0887 TEDS Editor Viewer Kit including: TEDS Editor SW BZ 5294, Dallas MicroLAN Adaptor DS9097U-009 WQ 1320, RJ11Modular Cable WQ 1321
 36018 ENDEVCO TEDS Programmer including Dallas Adaptor DS9097U-S09

TEDS LICENCES

BZ 5294-MS4 Calibration Licence
 BZ 5294-MS5 Development Licence

TRADEMARKS

Microsoft®, Windows NT® and Windows® are registered trademarks of Microsoft Corporation in the United States and/or other countries
 ISOTRON® is a registered trademark of ENDEVCO

TEDS ADAPTORS

UA 2019 TEDS Demonstration Adaptor, analogue output with 0, 20, 40 dB gain
 WQ 1320 Dallas MicroLAN Adaptor DS9097U-009

ACCESSORIES AVAILABLE

Adaptors

DS9097E Dallas Adaptor (not recommended, except when EPROM programming is required)
 DS9097U-E25 Dallas Adaptor (Programs 1-Wire EPROM devices)¹

Cables

AO 1444 BNC to Falcon Range® preamplifiers, for TEDS editing
 AO 0564 BNC to SMB (used for Type 4935)
 JP 0145 BNC to 10-32UNF (used for DeltaTron® accelerometers)
 WL 1363 RJ-11 to BNC

¹ Available from Dallas Semiconductor (Maxim) www.dalsemi.com

Brüel & Kjær reserves the right to change specifications and accessories without notice