

# PRODUCT DATA

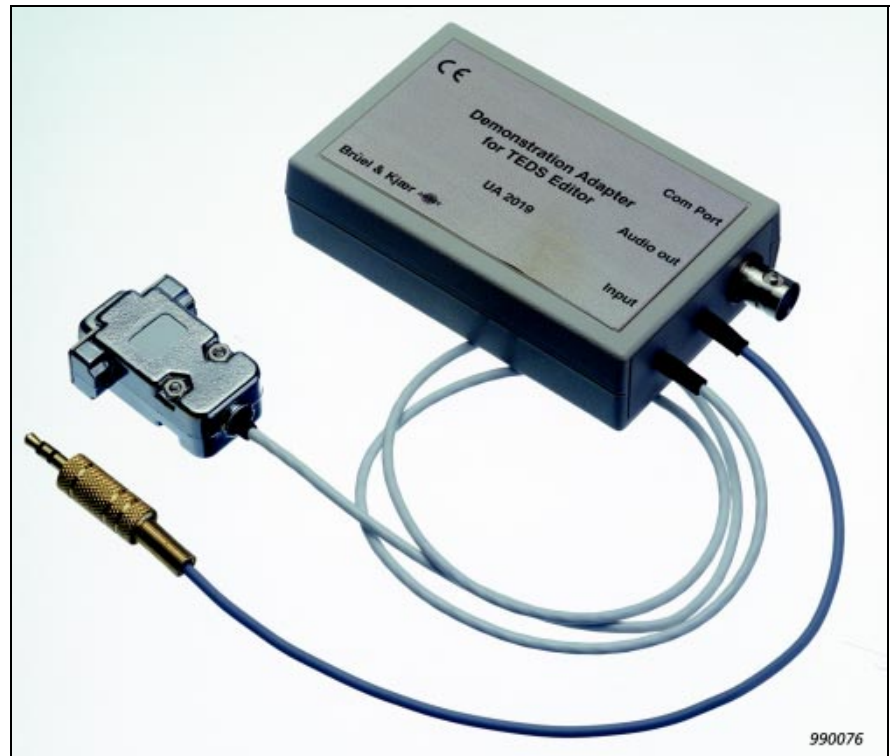
## Demonstration Adaptor for TEDS Editor — UA2019

### FEATURES

- Demonstration of:
  - Extended functionality such as gain
  - Analog measurement and digital communication
  - Reading and writing TEDS
  - Re-mapping of TEDS from one template to another
- Stores and views:
  - Identification data in the transducer\*
  - Calibration data in the transducer
  - User data in the transducer
  - Re-mapping of TEDS from one template to another†

### BENEFITS

- Permits simple update of transducers when the standard is final
- Universal tool to:
  - Edit user data
  - Save TEDS to disk
  - Read TEDS from disk
  - Create and edit TEDS\*
  - Remap TEDS to another template\*
  - Create ID data in transducer\*
  - Create Node list for transducers with multiple nodes\*
  - Control extended functionality



## Description

The Demonstration Adaptor for TEDS Editor UA2019 is for use with TEDS Editor BZ 5294 to demonstrate extended functionality and TEDS with IEEE P.1451.4 compatible transducers.

\* Requires a licence

† The Demo Adaptor does not support programming voltages, and can therefore not be used for programming E-PROMs, but only E<sup>2</sup>-PROMs

UA 2019

# Specifications – UA2019 (Demonstration Adaptor for TEDS Editor)

UA 2019 Demonstration Adaptor for TEDS Editor

NB: Power on transducer ground

CE mark indicates compliance with: EMC Directive and Low Voltage Directive

Current Consumption (9 V Battery):

Standby Current: Typ. < 0.1µA

Analogue Mode: Typ. 9.5 mA

Scanning mode: Typ. 3.5 mA

## System Requirements

- Microsoft® Windows® 95 or Microsoft Windows NT® Workstation 4.0 (Service Pack 3 recommended) or later
- 486DX/66 MHz or higher processor (Pentium or higher processor recommended), or any Alpha processor running Microsoft Windows NT Workstation
- A CD-ROM disk drive or Internet for installation
- VGA or higher resolution screen supported by Microsoft Windows
- 16 MB of RAM for Windows 95, 32 MB of RAM for Windows NT Workstation
- A mouse or other suitable pointing device

One of the following is required to access the transducer:

- Type 2690/1/2/3 NEXUS™ Conditioning Amplifier with SW Ver. 2.0.0
- Demo Adaptor 180605, DS9097E or DS9097U

## Analogue Mode

Gain: 0 dB, 20 dB or 40 dB Typ. < ±0.2 dB at 159 Hz, 250 Hz or 1 kHz  
Frequency Response: 20 Hz – 10 kHz, < ±3 dB re 159 Hz, 250 Hz or 1 kHz

THD at 1 kHz Sine: Typ. < –50 dB (LIN 22.4 Hz – 200 kHz)

Max. Input Noise:

0 dB Gain: Typ. < 120µV rms (A-weighted)

20 dB Gain: Typ. < 35µV rms (A-weighted)

40 dB Gain: Typ. < 15µV rms (A-weighted)

Max. Input Voltage Swing: Typ. 0 – 15 V DC re BNC shield

Max. Output Voltage Swing: Typ. > ±6.5 Vp re ground on jackplug, ≈4.6 V rms sine

DC Level at BNC Shield: Typ. –8.5 V DC re ground on jackplug (jackplug ground is connected to com port ground)

Output Offset Voltage re Input: Max. ±3 mV DC

DeltaTron Current: Typ. 4 mA (3 – 5 mA)

## Scanning Mode

DC Level at BNC Shield: Typ. +4 V DC re ground on jackplug (jackplug ground is connected to com port ground)

Max. Capacitive Load: >15 nF

Max. Number of µLAN Devices: Min. 10 devices connected at once

## Ordering Information

### Accessories Included

UA 2019 Demonstration Adaptor for TEDS Editor

### Accessories Available

BZ 5294 TEDS Editor  
Type 2690/1/2/3 NEXUS Conditioning Amplifier  
AO 1444 BNC to Falcon Range® preamplifiers, for TEDS editing, 0.2 m cable  
AO 1443 BNC to 3.5 mm jackplug, 1.5 m cable  
DS9097E Dallas Adaptor (not recommended, except when E-PROM programming is required)\*

DS9097U Dallas Adaptor (recommended for R/W of TEDS in general)\*

RJ-11 Dallas Adaptor to BNC\*

#### Cables:

AO 0564

BNC to SMB (used for Type 4935)

JP 0145

BNC to 10–32 UNF (used for DeltaTron® accelerometers)

#### IEEE P1451.4 transducers available:

Type 4935

Array Microphone

Types 4507 B

and 4508 B

Miniature Accelerometers

Type 2647A

Charge to DeltaTron Converter 1 mV/pC

Type 2647B

Charge to DeltaTron Converter 10 mV/pC

Type 2669

½" Microphone Preamplifier

Type 2670

¼" Microphone Preamplifier

Type 2671

DeltaTron Preamplifier

\*Available from Dallas Semiconductor [www.dalsemi.com](http://www.dalsemi.com)