

1. Record Nr.	UNINA9910141799803321
Titolo	IEEE Standard for a Smart Transducer Interface for Sensors and Actuators : Common Functions, Communication Protocols, and Transducer Electronic Data Sheet (TEDS) Formats // Institute of Electrical and Electronics Engineers
Pubbl/distr/stampa	New York : , : IEEE, , 2007
ISBN	0-7381-5598-5
Descrizione fisica	1 online resource (x, 323 pages)
Disciplina	681.2
Soggetti	Detectors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	It defines the functions that are to be performed by a transducer interface module (TIM) and the common characteristics for all devices that implement the TIM. It specifies the formats for Transducer Electronic Data Sheets (TEDS). It defines a set of commands to facilitate the setup and control of the TIM as well as reading and writing the data used by the system. Application programming interfaces (APIs) are defined to facilitate communications with the TIM and with applications.