

1. Record Nr.	UNISA996280991203316
Titolo	ISO/IEC/IEEE Information technology : Smart transducer interface for sensors and actuators : Common functions, communication protocols, and Transducer Electronic Data Sheet (TEDS) formats // IEEE
Pubbl/distr/stampa	New York, N.Y. : , : IEEE, , 2010
ISBN	0-7381-6269-8
Descrizione fisica	1 online resource (350 pages) : illustrations
Collana	ISO/IEC/IEEE ; ; 21450:2010(E)
Disciplina	621
Soggetti	Optical wave guides
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	This standard provides a common basis for members of the IEEE 1451 family of standards to be interoperable. 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.