

PARTNER | SOLVE | DELIVER®

# TEST & MEASUREMENT

## SPECIALIZED SWITCHING SOLUTIONS

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*Measurements Covering Several Orders of Magnitude from Nanovolts to Kilovolts and Femptoamps to Amps*

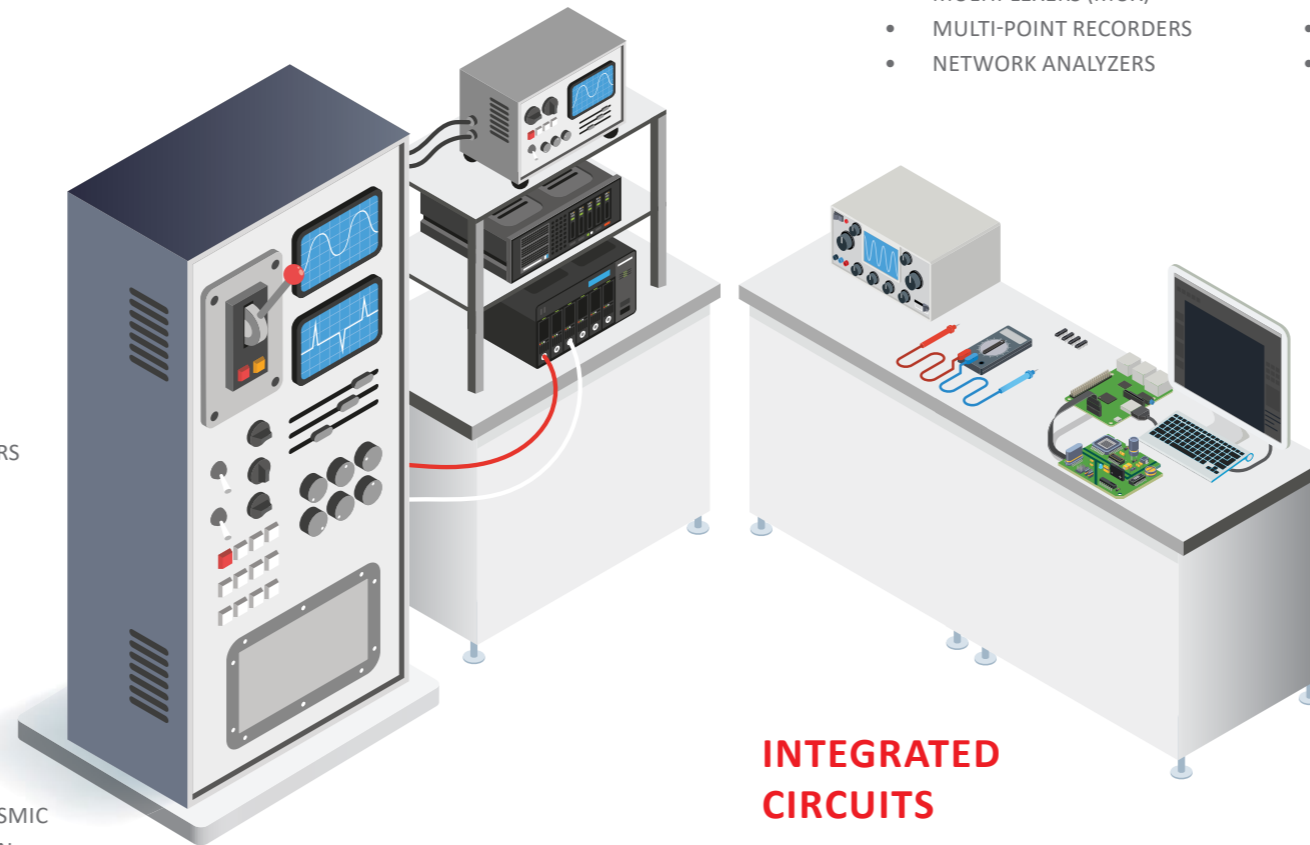
 **Standex**  
Electronics

# TEST & MEASUREMENT

SWITCHING SOLUTIONS WITH SUPERIOR FUNCTIONALITY, LONGEVITY AND RELIABILITY

## AUTOMATED TEST EQUIPMENT (ATE)

- IC TESTERS
- CHIP TESTERS
- CABLE TESTERS
- PCB TESTERS
- WAFER TESTERS
- HIGH VOLTAGE TESTERS
- LOGIC TESTERS
- MEMORY TESTERS
- INSULATION TESTERS
- PRECISE TESTERS
- FUNCTIONAL PCB TESTERS
- DISCRETE SEMICONDUCTOR TESTERS



## HIGH ISOLATION & SPECIALIZED EQUIPMENT

- DATA ACQUISITION
- DATA LOGGERS
- DATA SCANNERS
- MATRIX SWITCHES
- MULTIPLEXERS (MUX)
- MULTI-POINT RECORDERS
- NETWORK ANALYZERS
- PRINTERS
- TIMERS
- RF APPLICATIONS
- INTERFACES / NETWORK CARDS
- CONTROLLER FOR CIRCUIT ISOLATION
- DATA BUS ISOLATION
- CONTROL TECHNOLOGY / NETWORK ENGINEERING

## ELECTRICAL & MECHANICAL BENEFITS

- VERY SMALL SIZE AND PROFILE
- MINIMAL POWER CONSUMPTION
- PERFECT ISOLATION BETWEEN CONTROL & LOAD CIRCUIT
- LOW AND HIGH LEVEL LOAD SWITCHING POTENTIAL
- LONG LIFE, BILLIONS (10<sup>9</sup>) OF OPERATIONS (LOAD RELIANT)
- MULTI-POLE CONFIGURATIONS UP TO 8 POLES
- FORM A, B, C, AND E VERSIONS
- STABLE LOW CONTACT RESISTANCE <150 mΩ
- HIGH FREQUENCY SIGNALS
- LOW THERMAL OFFSET VOLTAGE <1μV
- HIGH INSULATION RESISTANCE >10<sup>14</sup> Ω
- ABILITY TO SWITCH UP TO 10,000 VDC
- BREAKDOWN VOLTAGES/DIELECTRIC STRENGTH UP TO 15 kVDC
- CARRY CURRENTS TO 5 AMPS CONTINUOUS (10 AMPS PULSED)
- SHOCK RESISTANT TO 100 G, VIBRATIONS 50-2,000 Hz AT 20 G
- HERMETICALLY SEALED SWITCHES
- OPERATE TIMES IN THE 500 μS TO 3 MS RANGE
- SUITABLE FOR HIGH DENSITY MATRIX ASSEMBLY
- WIDE ARRAY OF COIL RESISTANCES
- NUMEROUS PACKAGE STYLES AND PIN-OUTS

## MODULAR INSTRUMENTATION

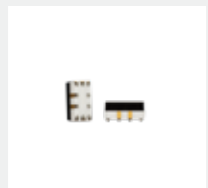
- ELECTROMETERS
- FLOW METERS
- OSCILLOSCOPES
- HIGH-SPEED DIGITIZERS
- DIGITAL MULTIMETERS (DMMS)
- HAND-HELD INSTRUMENTS
- BATTERY POWERED INSTRUMENTS
- GEOTHERMAL/SEISMIC INSTRUMENTATION
- SIGNAL GENERATORS
- HIGH-SPEED DIGITAL I/O DEVICES
- HIGH-FREQUENCY (RF) DEVICES
- PROGRAMMABLE POWER SUPPLIES
- SOURCE MEASURE UNITS (SMUS)

## INTEGRATED CIRCUITS

- VLSI
- ASICS
- MICROPROCESSORS
- ANALOG CHIPS
- DISCRETE ICS
- DIGITAL MEMORY CHIPS
- MIXED SIGNAL (ANALOG/DIGITAL)



## KEY COMPONENTS



### RF REED RELAYS

CRF relays switch RF signals up to 7 GHz and pass fast digital pulses in a 50 ohm impedance environment while offering excellent isolation.



### HIGH VOLTAGE SMD RELAYS

KT & MHV Series are surface mount Reed relays switch voltages up to 1 kVDC and measure high isolation up to 7 kVDC.



### HIGH VOLTAGE/HIGH DENSITY

LI, SHV, and BE series offer high breakdown voltage up to 4 kVDC and switching up to 1 kVDC. Suitable for closely stacked matrices.



### HIGH VOLTAGE/INSULATION

BH series multi-channel relay meets high IR up to 10 TΩ across open contacts and contact to coil. Low leakage current in picoamp range.



### HIGH DENSITY BOARDS

Our single-in-line SIL, MS, UMS, and unique 8-pole RM series were designed specifically for large and closely stacked switching matrices.



### HIGH VOLTAGE TO 10 KVDC

The H, HE, and HM series can switch up to 10 kVDC and provide up to 20 kVDC isolation. Switching currents up to 3 A and carry currents up to 5 A.



### PHOTO-MOSFET RELAYS

Photo-MOSFET's are very small solid-state relays for very fast switching. Nearly unlimited life expectancy across rated loads.



### OPTOCOUPLEDERS

Optocouplers are for specific High Isolation and Intrinsically Safe (ATEX & IECEx) applications. Galvanically isolates low-voltage devices from high-voltage circuits.

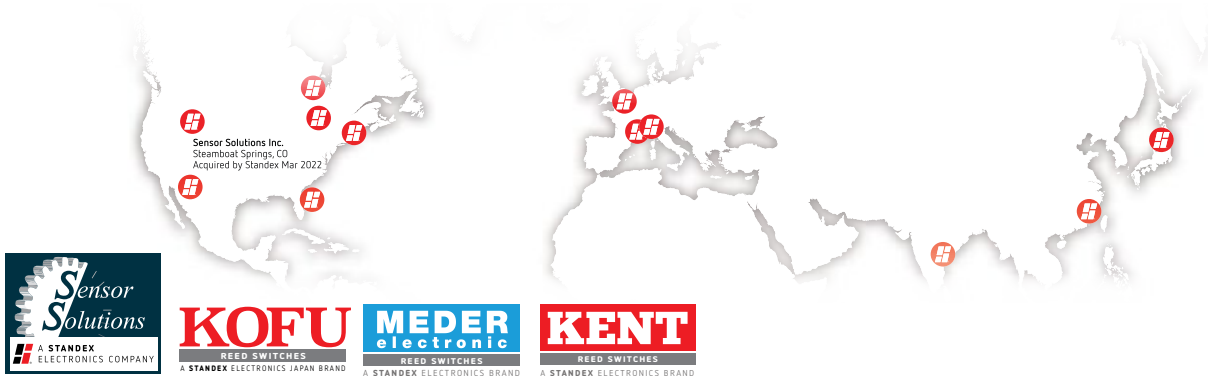


# HIGH PERFORMANCE REED RELAYS

OUR VERSITILE APPLICATION ENGINEERING EXPERTISE ALLOWS US TO DESIGN, DEVELOPMENT, MANUFACTURE, AND DELIVER RELIABLE HIGH-QUALITY REED RELAYS SPECIFIC TO YOUR REQUIREMENTS.

## REED RELAY SERIES

High Voltage 1 kV	KT	LI	SHV	BE	MHV	BH	Special Relays	SPL	MRE	HI
General Purpose	SIL	DIP	DIL	NP			Current Loop	CL	NP-CL	DIL-CL
High Voltage 10 kV	HM	HE	H				Low Thermovoltage	BT	BTS	
High Density Board	UMS	CRR	MS	SIL	MHV		Intrinsically Safe [Ex]	MRX		
Relay Module	RM						Latching Relays	RM		
High Frequency	CRF	SIL-RF								



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