

CE CERTIFIED SIGNAL CONDITIONING MODULE (OptoSIGN™)



OptoSIGN™ Signal Conditioning Modules (SCM) are used for interfacing different sub systems to data acquisition & control system providing optical isolation. It also reduces EMI Interferences i.e. provides minimal emission & better immunity from conductive or radiative coupling. OptoSIGN™ has generic specification to match various applications. There are three types of OptoSIGN™ modules are developed.

- Fast Analog Tx-Rx Module (FA)
- Normal Analog Tx-Rx Module (NA)
- Digital Tx-Rx Module (DTR)

SALIENT FEATURES

- 3U Chassis is compatible to accommodate any of the three types of SCM
- Small form factor facilitates higher accommodation of channels
- SCMs are compatible with Optical cable (POF/HCS)
- Selection of voltage level of TTL/24V for Input & output signals is available for DTR module with inverting & non-inverting configuration
- FA & NA modules with BW of >200kHz & >5KHz respectively
- CE certified against EMC directive (IEC 61000-6-2, IEC 61000-6-4, IEC 61000-4-16 & IEC 61000-4-18), LV directive (IEC 62368-1:2018), RoHS directive and Environmental standards

APPLICATIONS

OptoSIGN™ can be used to interface between sub systems with high probability of EMI interference like, High Voltage Power Supply, High Power RF amplifiers, Gyrotron Systems, Klystron Systems, Electron Beam Systems, Particle Extractor or accelerator Systems etc.