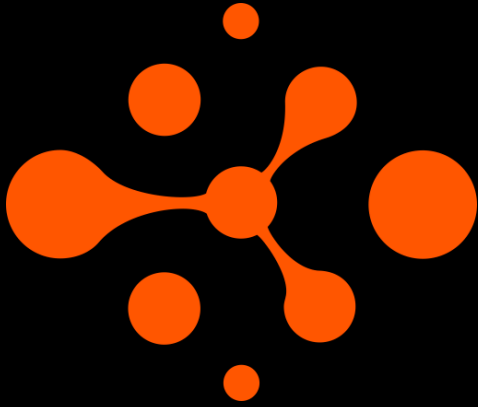


MSD-200 Series



We develop advanced instruments for science research, industrial measurements and other special applications



The MSD-244 – RS422 signal splitter module with replaceable input card.



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technology by



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The **MSD-244** is a 16 outputs RS422(Tx) splitter module with a replaceable input card. It is compatible with OCP cards and can be used as a multi-output splitter with signal-type conversion). Available inputs: RS422(Rx), TTL@50Ω and GNSS receiver for 1PPS only. These modules split the following signals: 1PPS, ToD (NMEA), IRIG-B DCLS.

Description	Value
Outputs	16xRS422 Tx, 1PPS, NMEA up to 10MBps, terminal block 3.5mm
Inputs	1xRS422 Rx for 1PPS, IRIG-B DCLS, ToD up to 10MBps, terminal block 3.5mm 1xTTL@50Ω for 1PPS, IRIG-B DCLS, ToD up to 10MBps, SMA GNSS Receiver for 1PPS or ToD, antenna input SMA 2xRS422 Rx with autoswitch backup for 1PPS, ToD up to 10MBps, terminal block 3.5mm—on request 2xTTL@50Ω with autoswitch to backup for 1PPS, up to 20MHz, SMA/BNC—on request
Delay	< 70ns (typ. <60ns)
Jitter	<7ns (typ. <4ns)
GNSS 1PPS output:	1PPS accuracy: <50 ns 1PPS stability: < 5ns @ 1sigma /[*2]
Power	12VDC @ 50mA
Dimensions	168x80x40mm

Hardware versions of the MSD-244

MSD-244R

One RS422 (Rx) input and 16x RS422 (Tx@100Ω) outputs



MSD-244T

One TTL@50Ω input and 16x RS422 (Tx@100Ω) outputs



MSD-244G

One GNSS Receiver with external antenna (SMA) 1PPS source and 16x RS422 (Tx@100Ω) outputs

