



Automotive  
Energy & Power Analysis  
Aerospace & Defense  
Transportation  
General Test & Measurement

# Torsional vibration demo-kit

*Technical reference manual*



Re-inventing Data Acquisition

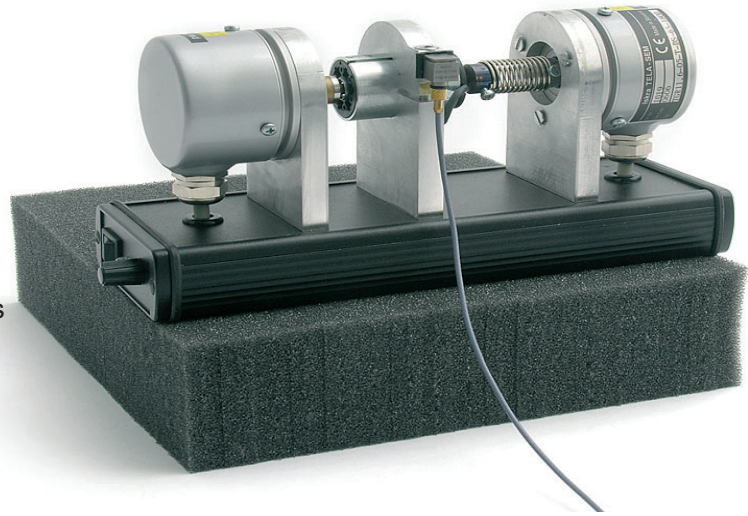


# Torsional vibration demo-kit

## Torsional vibration demo-kit

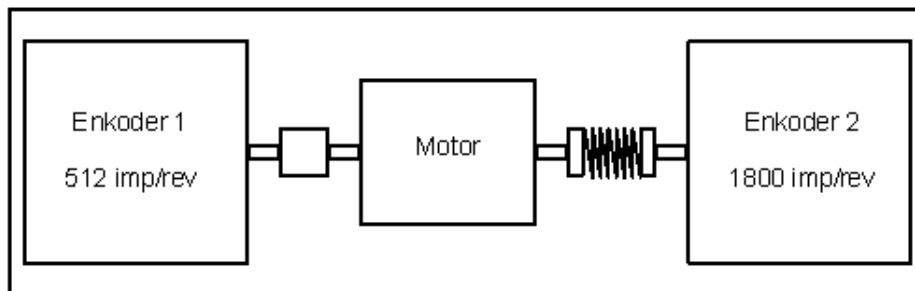
The torsional vibration demo kit provides a compact unit for testing and demonstrating:

- Rotational Vibration
- Torsional Vibration
- Order extraction
- Order tracking external clocked
- External Trigger and Clocking of AD-Cards
- Angle Based Measurement
- 3D FFT waterfall based on RPM

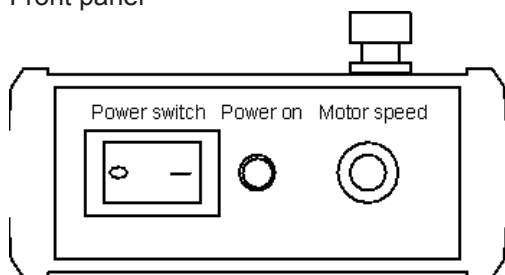


## Measurement of torsion

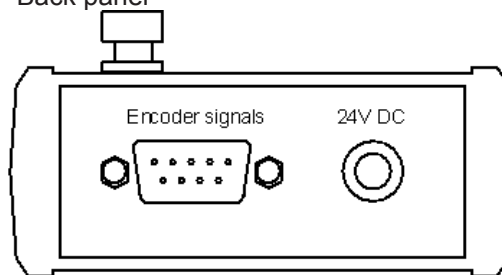
Top view



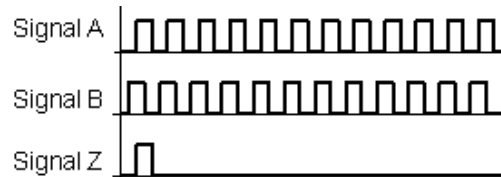
Front panel



Back panel



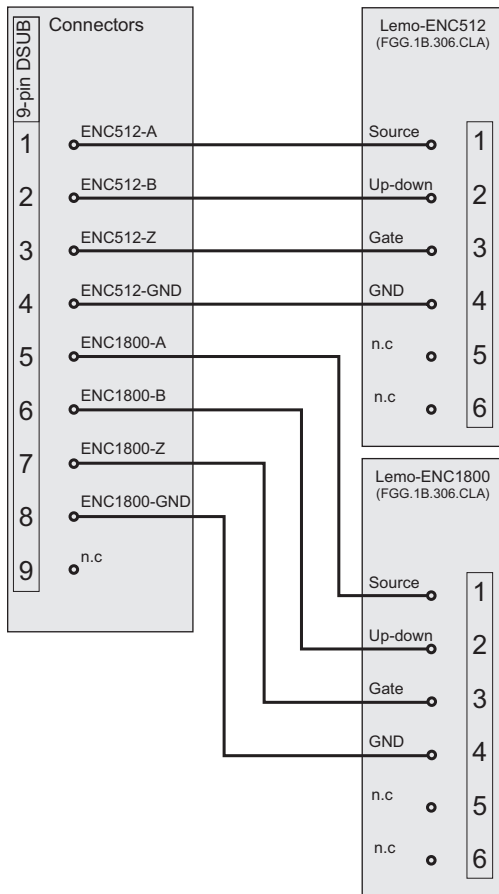
Encoder signals



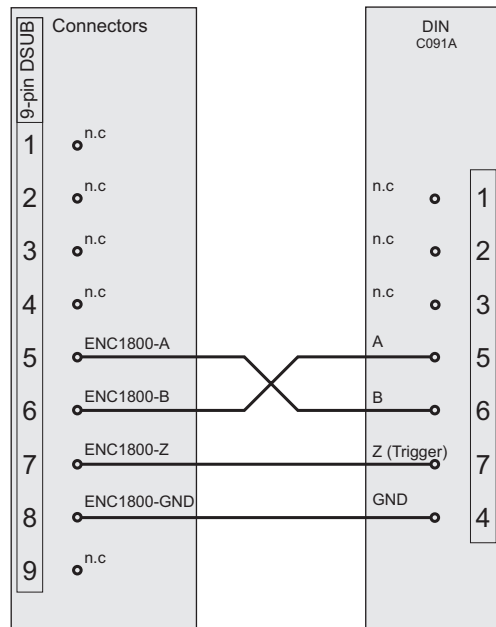
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## Internal wiring

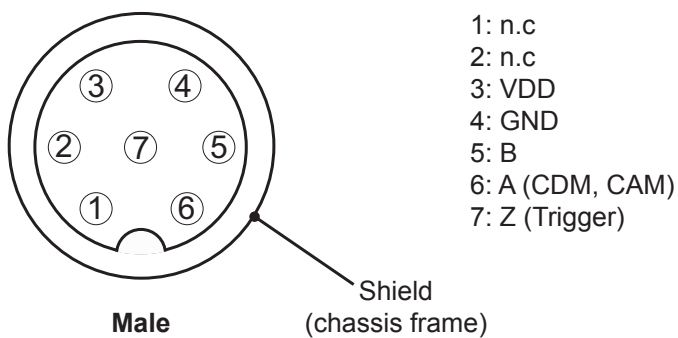
To counter input (LEMO)



To combustion analyzer



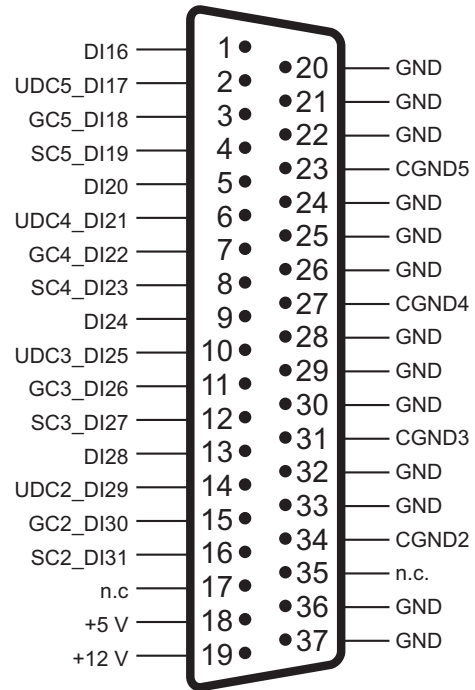
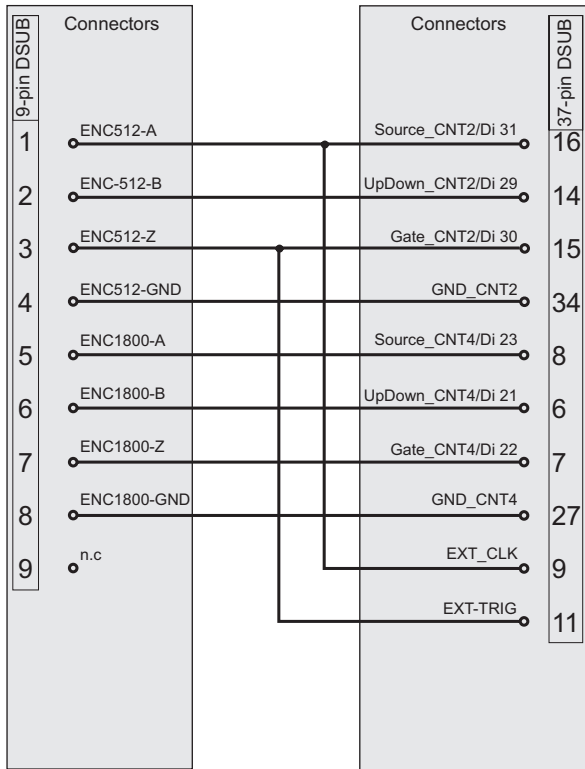
## Pinning of male DIN connector



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To Digital EXP1

Pinning of 37-pin female SUB-D connector "DIG EXP1"



## Included cables

SUB-D9 to two FGG.1B.206 Lemo connector = 0.8 m

SUB-D9 to DIN connector = 1.0 m

SUB-D9 to SUB-D37 connector = 2.0 m