

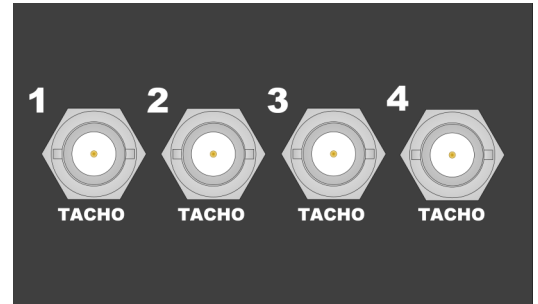
DATS Measurement Card

8X20 4ch DAC / Digital IO



Key Features

- **Inputs for up to 4 tachos**
- **240MHz resolution**
- **Dynamic noise rejection**
- **Programmable threshold**



The **8X20** card is intended as a solution for situations with rotating machines where positional information and time relative to position information are required. This would classically be a very **high speed shaft encoder** with a fine resolution. This card is used in applications where there is a requirement to **accurately measure rotational speed** at several points in a drivetrain. The high speed and resolution of this card mean it is suitable for in-depth rotational machine analysis such as **torsional and angular vibration**. The 8x20 card measures the time between pulses with a 240MHz resolution.

All of the 8xxx modules are designed around Prosig's proprietary **ProSync** architecture. ProSync technology guarantees that all of the measurement channels in each module and all of the modules in the system synchronise their data precisely. ProSync works whether there is a single chassis or multiple interconnected Prosig systems. This ensures that you can have full confidence in your data and results.

Description	Advanced Tacho
Tacho input channels	4
Effective bandwidth	Up to 200kHz / 12,000,000rpm
Max tacho input range	±30.1V
Overvoltage protection	±50V
Slope selection	-ve edge
Dynamic noise rejection	✓
Resolution	240MHz
Connector	BNC
Power usage (worst case)	3W

This card can be fitted to:

DATS-tetrad (8620)

DATS-hyper12 (8520)

P8048 (8520)

P8012 (8420)

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