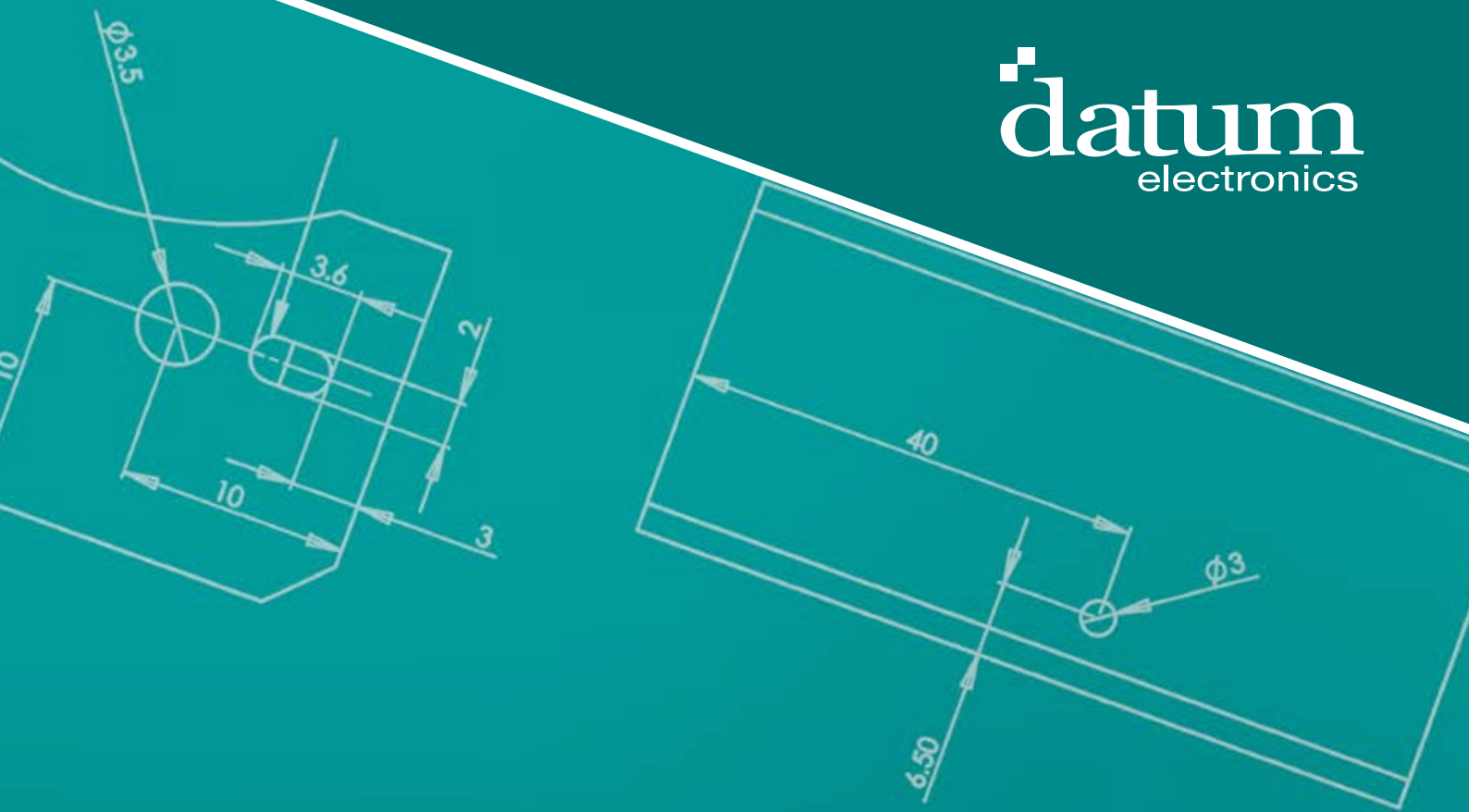
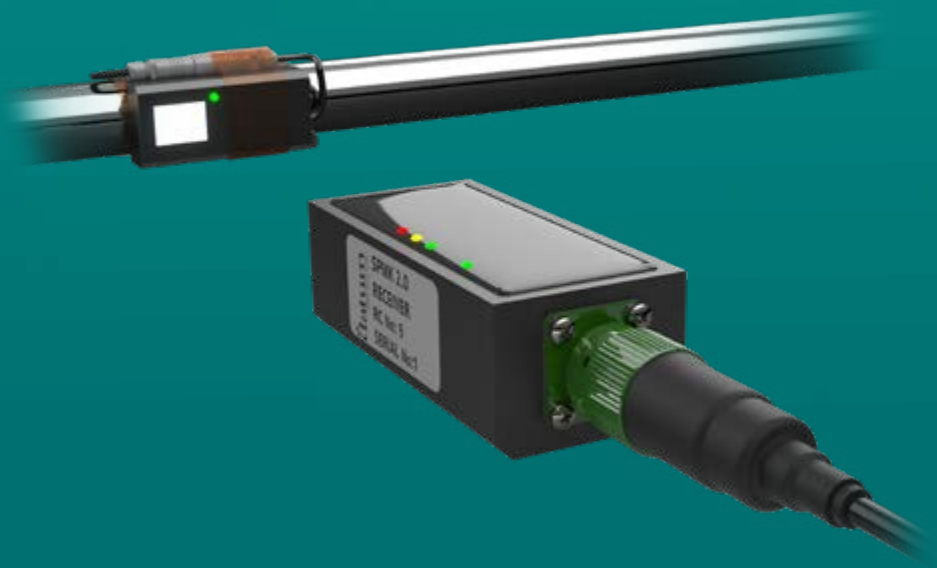
datum electronics



Shaft Power Measurement Kit

Datum Electronics Shaft Power Measurement Kit is designed for **measuring power and torque** on drive shafts, in applications, including marine ship shafts, prop shafts and vehicle drive shafts.

The SPMK measures the on-shaft torque and **wirelessly** sends data off the shaft to the receiver, which is also the **optical speed sensor**.



MADE IN BRITAIN

Leaflet references standard SPMK options –
For additional requirements please speak to Sales.

PRECISION. DATA. INNOVATION.

Shaft Power Measurement & Analysis

The Datum Electronics Shaft Power Measurement Kit does more than just measure torque; it can be used to verify power outputs from engines and motors.

The following data can also be derived and analysed:

- **Power Transmission**
- **Torque Trials**
- **Torsional Acceleration**
- **Vibration**
- **Power Transients**
- **Peak Torque Levels**

SPMK System Specifications

* Faster rates available, please discuss with the team
** Analogue outputs available as an extra
*** Based on supplied 9V PP3 battery
**** Receiver to interface unit

	SPMK
Shaft Fit Dimensions	from 30mm
Electronics Accuracy	0.1%
IP Rating	IP67
Operating Temperature	0 - 70 °C
Data Sampling Rate	10 SPS as standard *
Data Output	RS485 & USB for torque & speed **
Max Speed measurement	9,999 RPM
Battery Life	10 hours as standard ***
Battery Type	PP3 (alkaline supplied with kit)
Cable Length	10m as standard ****

System Advantages

- **Measure Torque & Speed** as a basic function
- **Calculate Power** using software supplied with SPMK
- **Easy To Install** with a step-by-step guide
- **Portable & Lightweight Design**
- **Log, Record & Display 'Live' Data** via supplied software
- **Compatible with 2 Data Channels & Shaft Speed**

Contact Us