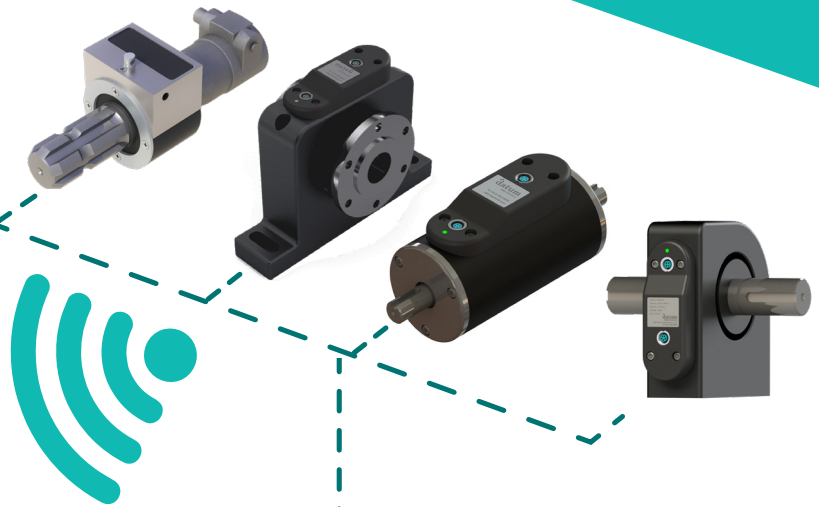




## Datum Connect Interface (DCI) Product Overview v4.0

# Datum Connect Interface (DCI) Product Overview

The Datum Connect Interface has been designed to complement the following Datum Electronics range of Rotary and Static Torque Sensors.



## Outputs Provided

Output power for all supported sensors

USB Type B

RS485 Terminals Rx/Tx

4 configurable analogue outputs for Torque, Speed\*, Power and Thrust.

Unipolar	Bipolar
4-20mA	4-12-20mA
0-5Vdc	+/-5Vdc
0-10Vdc	+/-10Vdc

\* Note: Speed is unipolar only.



## The sensor ranges supported include

M425 DC Rotary Torque Transducers

RS/FF425 DC Rotary Torque Transducers

RS/FF410 Static Torque Transducers

PTO Connect Power Take off Systems

Contact our technical sales team or sales team to discuss:  
[web@datum-electronics.co.uk](mailto:web@datum-electronics.co.uk) / +44(0)1983 282834

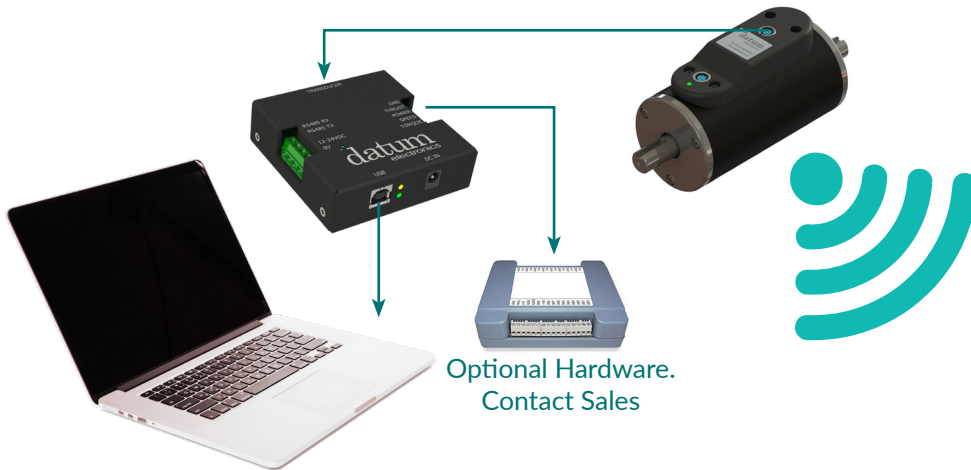
**datum-electronics.com**



# Datum Connect Interface (DCI) Product Overview



## Typical Configuration

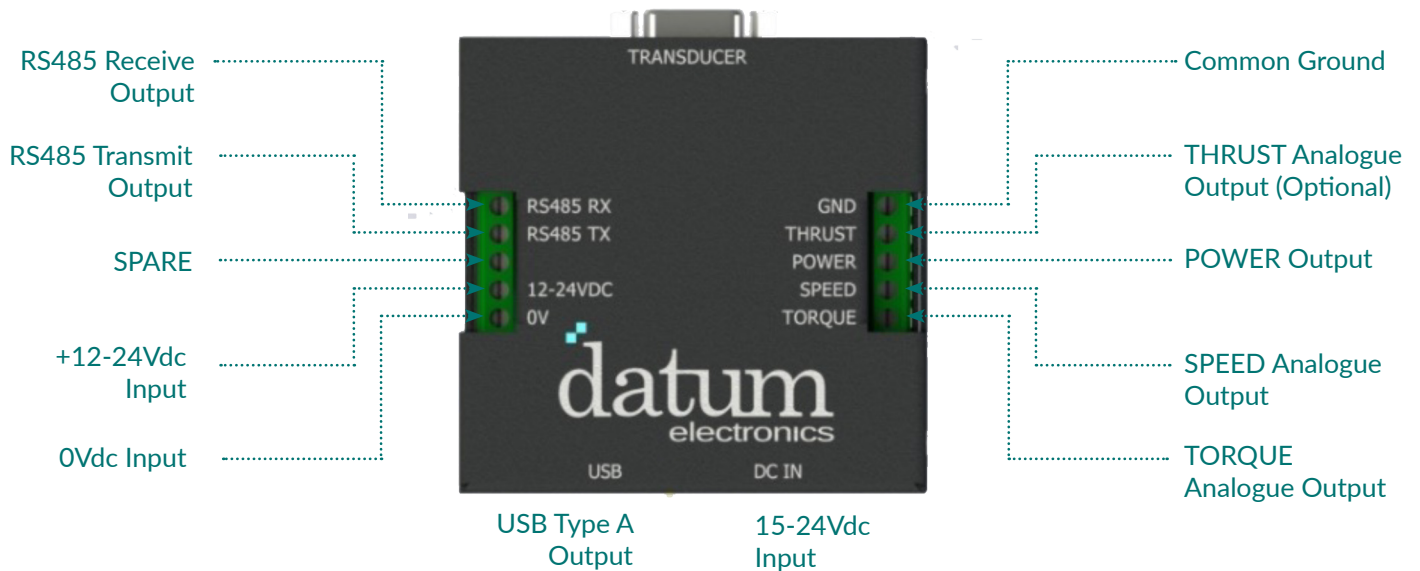


Laptop not supplied by Datum

Optional Hardware. Contact Sales



## Datum Connect Interface Connections Guide



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# Datum Connect Interface (DCI) Product Overview



## Whats in the box?



Datum Connect Interface (DCI)



Transducer to DCI Cable



DCI Power Supply

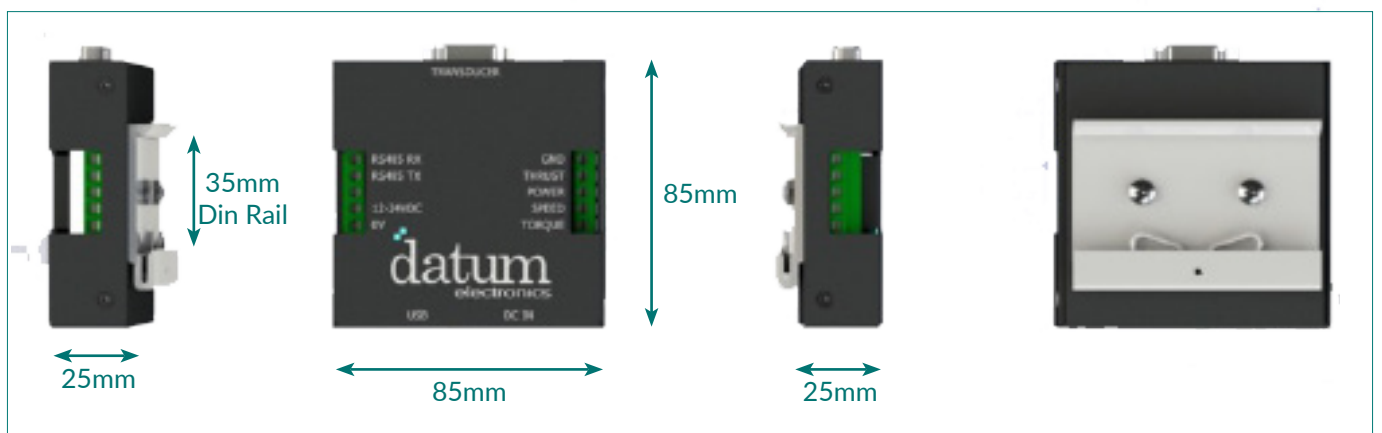


USB-A to USB-B DCI to PC Cable



USB Drive with O&M Manuals

## Dimensions



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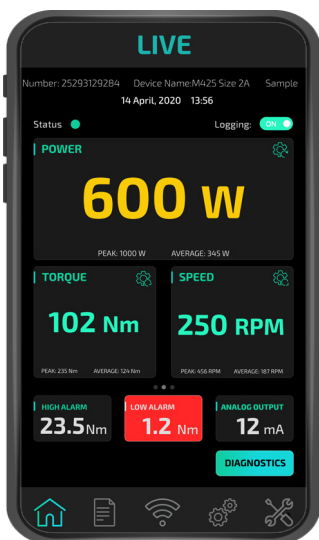
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# Datum Connect App Overview



## Live Data Display



## Data Logging

**LOG**  
Number: 25293129284 Device Name: M425 Size 2A Sample  
14 April, 2020 13:56  
Status: ● Logging: ON

Name: PRM TEST 2  
Edit Name:   
Status: STOPPED

START LOGGING STOP LOGGING

Creation Date: 2019-12-04  
Serial Number: 25293129284  
Sample Count: 5192

EMAIL LOG VIEW LOG

**LOGS**  
Number: 25293129284 Device Name: M425 Size 2A Sample  
14 April, 2020 13:56  
Status: ● Logging: ON

ADD LOG

- NW CORNER Wed Dec 12 2019 15:54:54 GMT +0000 (GMT +00:00)
- ASDFGHJK Fri Apr 12 2019 13:04:17 GMT +0100 (GMT +01:00)
- RPM TEST Fri Apr 12 2018 11:56:41 GMT +0100 (GMT +01:00)
- RPM TEST 2 Thu Apr 11 2018 18:43:45 GMT +0100 (GMT +01:00)
- RPM TEST 3 Wed Apr 10 2018 20:16:49 GMT +0100 (GMT +01:00)
- RPM TEST 4 Thu Apr 12 2018 09:46:17 GMT +0100 (GMT +01:00)
- RPM TEST 5 Wed Apr 10 2018 14:07:26 GMT +0100 (GMT +01:00)
- RPM TEST 6 Sun Apr 07 2018 19:17:05 GMT +0100 (GMT +01:00)

EMAIL LOGS

**LOG VIEW**  
Number: 25293129284 Device Name: M425 Size 2A Sample  
14 April, 2020 13:56  
Status: ● Logging: ON

RPM TEST 1  
PAGE 1 OF 53

TIME	TORQUE (Nm)	POWER (W)	SPEED (RPM)
11:59:06	0.70	0.70	0.70
11:59:06	0.60	0.60	0.60
11:59:06	0.50	0.50	0.50
11:59:06	1.30	1.30	1.30
11:59:06	0.10	0.10	0.10
11:59:06	0.30	0.30	0.30
11:59:06	1.20	1.20	1.20

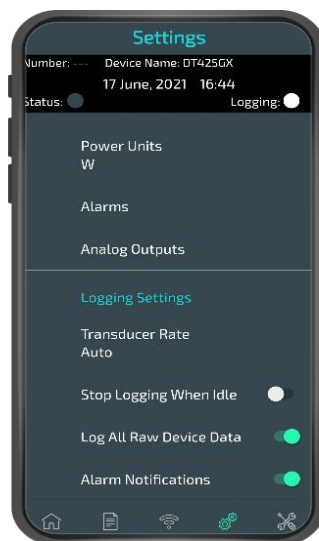
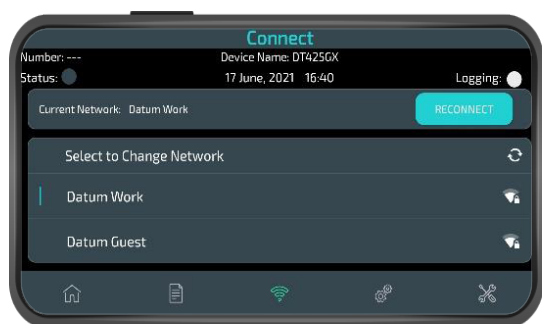
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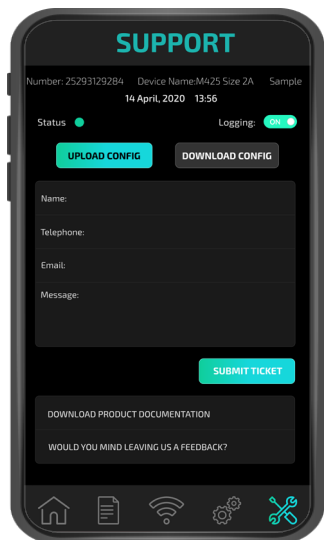
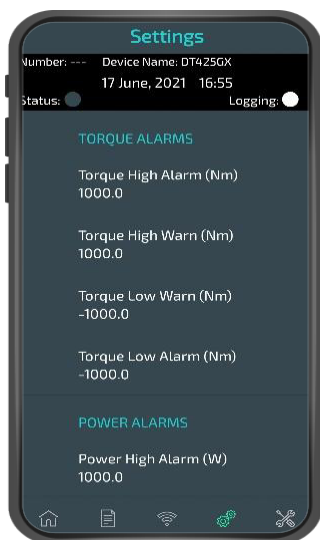
# Datum Connect App Overview



## Wifi and Settings



## Alarms and support



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