

Rotary Encoder - Family Q_H80/81 - Housing 80 mm



Hollow shaft encoder for shafts up to 25 mm

Hollow shaft encoders made by TR-Electronic provide a current absolute position reading value immediately after power up without any referencing, counters or batteries. The encoder is supported mechanically by the passing shaft. The larger housing (compared with C_H80) offers more room and possibilities for interfaces and interface combinations. Special highlight: The same encoder contains more interfaces and only the clamps used in the spacious connection hood decide which interface is to be used in your application.

Combination of multi-turn with an independent single-turn detection can be used for a simple cross-check of the encoder position (single-turn is used to monitor the multi-turn-detection in a separate monitoring unit) or to provide special feedback systems for commutation (also with SIN/COS).

Optical 15 bit (E) Double detection (D)

Products	QEH80	QE81	QDH80
			
Detection	Optical 15 bit (E)	Optical 15 bit (E)	Double detection (D)
Single / multi	(M) Multi (S) Single	(M) Multi (S) Single	(M) Multi (S) Single (2nd detection: Single)
Supply	24 VDC (11..27)	24 VDC (11..27)	24 VDC (11..27)
Steps per turn	<= 8192	<= 8192	<= 8192
Number of turns	<= 256000	<= 256000	<= 256000
Shaft diameters available	16, 20, 24, 25	16, 20, 22, 24, 25	12, 14, 16, 20, 22, 24, 25
Connectors	Connector radial, connection hood with cable glands	Connector radial, connection hood with cable glands	Connector radial, connection hood with cable glands
Ambient temperature	0...+60 °C (option -20...+70 °C)	0...+60 °C (option -20...+70 °C)	0...+60 °C (option -20...+70 °C)
Protection class	IP54	IP54	IP54
Interface	SSI  INC	SSI  INC	SSI  INC
Option, additional interfaces (on request)	INC	INC	INC
Weblink	www.tr-electronic.com/s/S008515	www.tr-electronic.com/s/S008518	www.tr-electronic.com/s/S008516
QR-Code			

Can't find the right variant? Please contact us (info@tr-electronic.de)

Double detection (D)

Products	QDH81 
Detection	Double detection (D)
Single / multi	(M) Multi (S) Single (2nd detection: Single)
Supply	24 VDC (11..27)
Steps per turn	<= 8192
Number of turns	<= 256000
Shaft diameters available	16, 20, 22, 24, 25
Connectors	Connector radial, connection hood with cable glands
Ambient temperature	0...+60 °C (option -20...+70 °C)
Protection class	IP54
Interface	SSI  INC
Option, additional interfaces (on request)	INC
Weblink	www.tr-electronic.com/s/S008517
QR-Code	