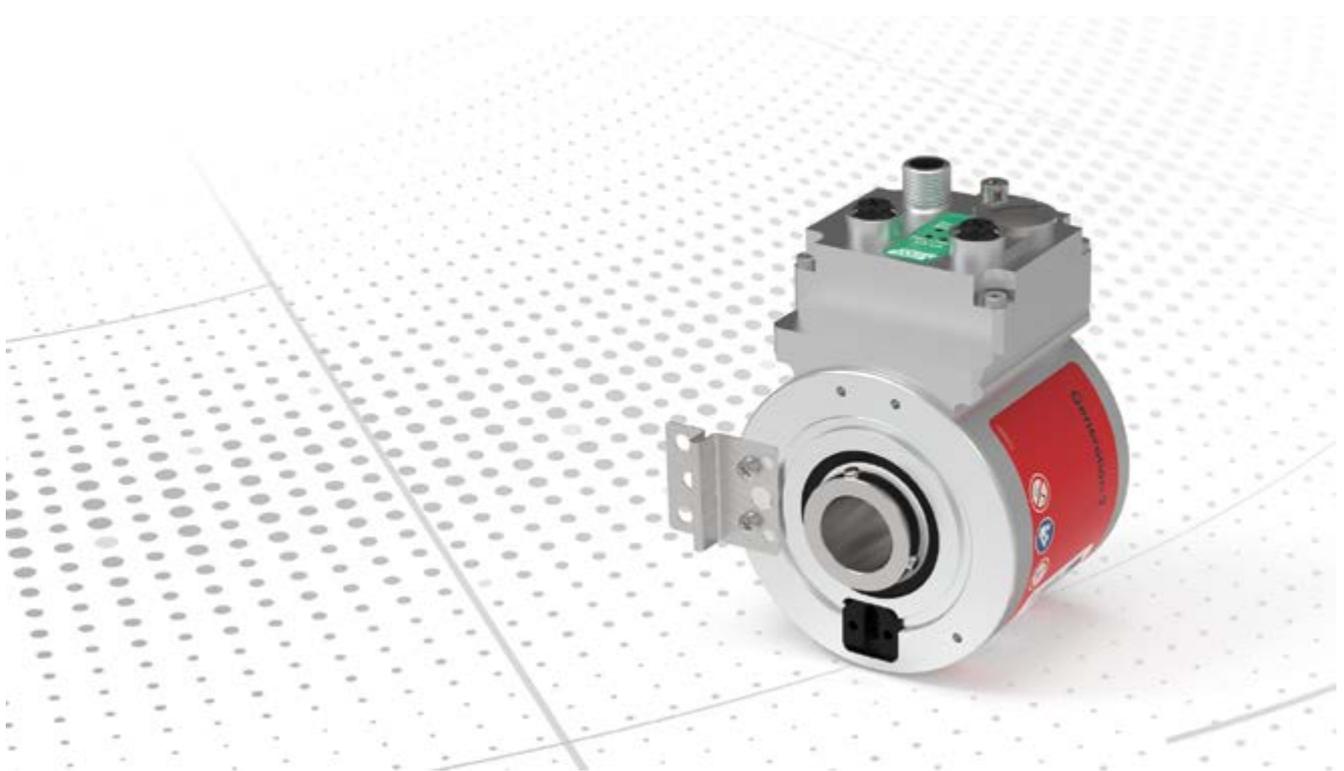


## Encoder - Family C\_H80 - Housing 80 mm



### Hollow shaft encoder for shafts up to 27 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. To prevent the encoder from turning with the shaft, a compact torque support spring can be used or a pin/groove connection in the flange of the encoder. Family 80 covers shaft diameters from 10 to 27 mm with an extensive choice of industrial interfaces as you've come to expect from TR-Elec-

tronic. Two resolution classes meet your demands perfectly: CEH measures up to 15 bits per turn, COH up to 18 bits per turn. Both detections measure up to 256,000 absolute turns. C\_H80 is available for ATEX Zones 2/22 named A\_H80. See chapter "Absolute rotary encoders - ATEX - Zone 2/22".

# Optical 15 bit (E)

# Optical 18 bit (O)

Product	CEH80	CEH802	COH80
			
Detection	Optical 15 bit (E)	Optical 15 bit (E)	Optical 18 bit (O)
Single / multi	(M) Multi (S) Single	(M) Multi (S) Single	(M) Multi (S) Single
Supply	24 VDC (11...27)	24 VDC (11...27)	24 VDC (11...27)
Steps per turn	32768	32768	262144
Number of turns	256000	256000	262144
Shaft diameters available	10, 14, 16, 20, 24, 25, 27	10, 14, 16, 20, 24, 25, 27	10, 14, 16, 20, 24, 25, 27
Connectors	Connector radial (option: cable*)	3x M12	Connector radial (option: cable*)
Ambient temperature	0...+60 °C (option -20...+70 °C)	-20...+70°C	0...+60 °C (option -20...+70 °C)
Protection class	IP54	IP54	IP54
Interface	<b>SSI</b>	          	<b>SSI</b>
Option, additional interfaces (on request)	<b>INC</b>		<b>INC</b>
Weblink	<a href="http://www.tr-electronic.com/s/S008496">www.tr-electronic.com/s/S008496</a>	<a href="http://www.tr-electronic.com/s/S019339">www.tr-electronic.com/s/S019339</a>	<a href="http://www.tr-electronic.com/s/S008497">www.tr-electronic.com/s/S008497</a>
QR-Code			

\* depending on the interface

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

## Optical 18 bit (O)

Product	COH802 
Detection	Optical 18 bit (O)
Single / multi	(M) Multi (S) Single
Supply	24 VDC (11...27)
Steps per turn	262144
Number of turns	262144
Shaft diameters available	10, 14, 16, 20, 24, 25, 27
Connectors	3x M12
Ambient temperature	-20...+70°C
Protection class	IP54
Interface	
Option, additional interfaces (on request)	
Weblink	<a href="http://www.tr-electronic.com/s/S019339">www.tr-electronic.com/s/S019339</a>
QR-Code	