

Carlen Encoder Replacement



Replace obsolete Carlen Controls encoders and tachometers easily with direct-replacement Avtron encoders.

Replace Your Carlen Controls Obsolete Encoders and Tachometers

- | Directly replace Carlen models
- | Fully potted electronics available
 - | Improved temperature range
 - | No-bearing options
 - | Diagnostic LED & outputs
- | Keep your site running without unplanned downtime

CARLEN REPLACEMENT

Nidec Avtron offers direct replacements for obsolete Carlen Controls encoders and tachometer models.

Models that can be directly replaced include:

- CC290T = AV485
- CC340T = HS45/M4
- CC350T = AV485
- CC450AA = AV30
- CC450AE/CC451AE = AV30
- CC451AEMT = AV30
- CC550 = AV685
- CC600 = HS45/M4
- CC700 = AV685
- CC1200 = AV685

Avtron encoders are also available with common accessories bundled with Carlen Controls units for heavy and severe mill duty applications. These include: built-in mechanical overspeed switches, dual or backup outputs, shaft electrical isolation systems, stub shafts for MD motor frames.

Some Carlen models can be replaced by no-bearing Avtron encoders such as AV125 and AV850, further increasing durability and adding many years of product life.

OUTLINE DRAWING

**See individual
product data sheets
for outline drawings**

MORE CARLEN REPLACEMENT ADVANTAGES

- | Mechanical overspeed option available
- | MD frame motor stub shafts available
- | Dual/redundant output options
- | Replaceable electronics

CARLEN REPLACEMENT SPECIFICATIONS

Avtron encoder models offer equal or improved specifications from Carlen models:

Examples: (Carlen => Avtron)



Operating Temperature: - 0C to 70C => -40C to +100C

Frequency Range: 0-100kHz => 0 - 165kHz

TIR Allowed: 0.0005 T.I.R => 0.002 T.I.R

Check out our website for more detailed specifications, drawings, and installation instructions. www.avtronencoders.com

SELECTION GUIDE

CARLEN CONTROL REPLACEMENT	
	
Carlen Control Model	Avtron Encoder Model
CC290T	AV485
CC340T	HS45
CC350T	AV485
CC450-AA	AV30
CC451-AE	AV30
CC450-AEMT	AV30
CC550	HS45
CC600	HS45/M4
CC700	AV685
CC1200	AV125




Nidec-Avtron Makes the Most Reliable Encoders in the World

8901 E. PLEASANT VALLEY ROAD • INDEPENDENCE, OHIO 44131-5508

TELEPHONE: (1) 216-642-1230 • FAX: (1) 216-642-6037

E-MAIL: tachs@nidec-avtron.com • WEB: www.avtronencoders.com



All dimensions are in inches [millimeters].
Specifications and features are subject to change without notice.
EU-SMART™, SMARTSafe™, SMARTach II™, THIN-LINE™,
THIN-LINE II™, WIDE-GAP™, and BULLSEYE32™ are trademarks
of Nidec Avtron Automation. All other trademarks and registered
trademarks are the property of their respective owners.