

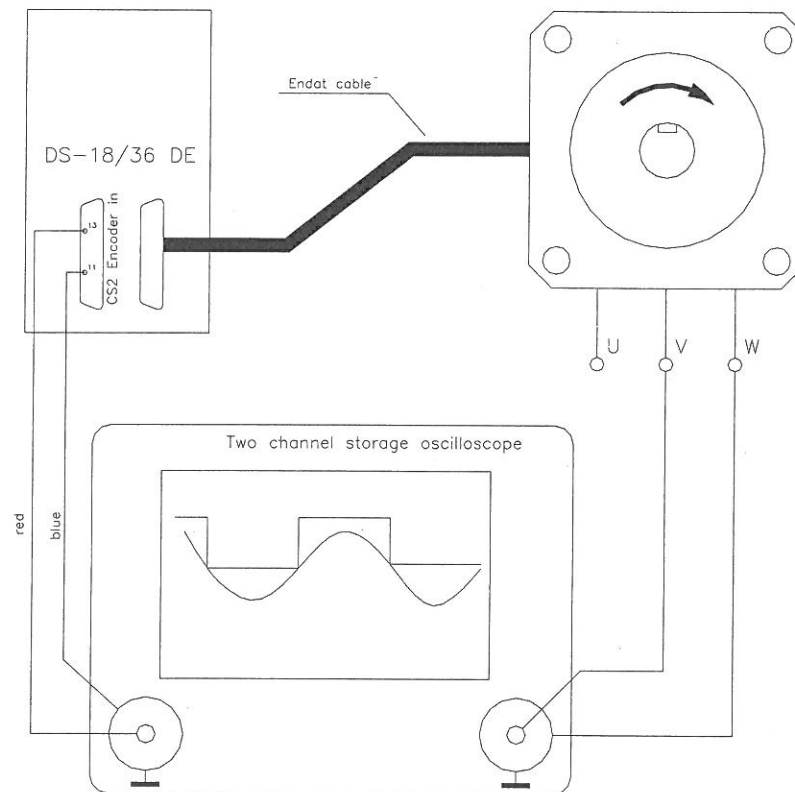
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Positioning the EQN1325 and EQN1337 encoders on the motor shaft

It is assumed that the rotary part of the encoder is fastened on the shaft of the motor and the encoder is connected to a drive of type NCT DS-XX/YY-DE.

It is necessary to set the motor pole pair number parameter (87. pole_pair) in the drive parameter list according to the motor nameplate.

Then the following scheme should be achieved.



The motor voltage should be seen on the oscilloscope by rotating the motor shaft (with hands) clockwise, carefully paying regard to the connection of the phases. The "V" phase is connected to the channel input and the "W" phase to the common potential.

Similarly, the artificial Hall signal from CS2/13 pin should be connected to the other channel and the CS13/11 common pin to the common potential of the oscilloscope.

The fastening of the frame of the encoder should be released and the frame should be rotated by hand so that the two signals on the display will be in identical phase while the motor shaft is rotating by hand clockwise. After this the fastenings of the encoder frame should be secured.