

Demo Kit

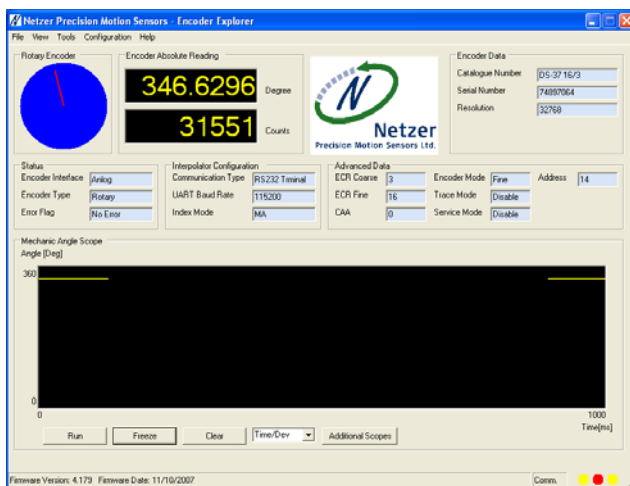
DS, Absolute Position, Rotary Electric Encoder™



The DS product line Demo Kit (DKIT) provides fast demonstrating & SW integration environment.

The demo kit available with the majority of the DS Electric Encoder™ product line (DS 25,37,58,90 and 130).

- (i) Encoder mounted on a rotating jig for accurate and full rotation.
- (ii) Multi Interface Converter – MIC provides conversion of the original analog Sine / Cosine electrical angle to wide Variety of common outputs.
- (iii) Cables
- (iv) SW – Encoder Explorer
- (v) Case

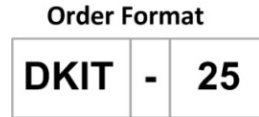


Electrical	
Supply voltage	+4.6 to +5.5 V (via the USB)
Power consumption	~ 100 mA
Environment	
Operating temperature range	0 C to +40 °C
Relative Humidity	<98 % non condensing
Input	
Analog	Single turn ,Sine / Cosine
Output	
Digital	Absolute - SSI
	Absolute - AqBiSS
	AqB , AqB + index
Performance	According to encoder
Comm. (NCP ¹)	RS-232 , USB

Setup – Calibration

Netzer Communication Protocol

The **NCP** is a bidirectional serial protocol interface. Designed for an easy access to the absolute position and additional parameters and data



- Encoder**
- 25 – DS-25
 - 37 – DS-37
 - 58 – DS-58
 - 90 – DS-90
 - 130 – DS-130



bit	mDegrass	arcsec	mRad	PPR
12	87.8906	316.4063	1.5340	4,096
13	43.9453	158.2031	0.7670	8,192
14	21.9727	79.1016	0.3835	16,384
15	10.9863	39.5508	0.1917	32,768
16	5.4932	19.7754	0.0959	65,536
17	2.7466	9.8877	0.0479	131,072
18	1.3733	4.9438	0.0240	262,144
19	0.6866	2.4719	0.0120	524,288
20	0.3433	1.2360	0.0060	1,048,576
21	0.1717	0.6180	0.0030	2,097,152
22	0.0858	0.3090	0.0015	4,194,304

