

## AWI 90

Due to its size, the incremental shaft encoder meets the highest of mechanical demands.

It is used wherever high mechanical stresses are likely.

Naturally also available in high-grade steel.



Illustration shows standard enclosure.  
See page 52 for high-grade steel version.

### Electrical Specifications:

Max. pulse frequency:	100 kHz
Permissible temp. range:	-20° . . . +60° C
Power supply:	11V . . . 24V DC +20%
Max. current consumption:	< 80 mA (without load)
Max. fan-out:	30 mA (per channel)
Residual ripple:	max. ± 5% U <sub>B</sub>
Power supply:	5V DC ± 5%
Max. current consumption:	< 80 mA
	(- 150 mA bei Line Driver 75114 or similar)

### Mechanical Specification:

Flange:	Aluminium
Enclosure:	Sheetsteel, powdercoated
Shaft:	Stainless steel
Shaft seal:	Oil/Saltwater-resistant
Bearing:	Deep groove ball bearing
Weight:	ca. 1.2 Kg
System of protection:	IP 65
Max. speed:	6000 U/min
Torque:	ca. 5 Ncm
Max. shaft load:	Axial 30 N
	Radial 50 N

### Mechanical Dimensions:



