

Encoder Pinout Diagrams

Pinouts for incremental and absolute encoders on AML stages



Pinout details for incremental and absolute encoders featured as an option on AML stages. Applicable for stage part numbers:

- VSM17-X ▪ VSM17-Z ▪ VSM19-X
- VSM17-R ▪ VSM23-X

For VSM30-X and VSM24-R encoder configurations please contact AML.

DETAILS

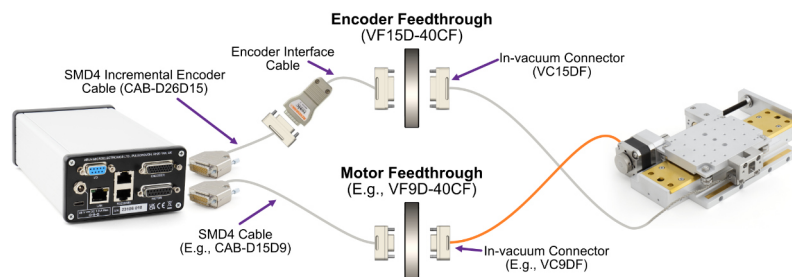
Connector images are shown from the mating side.

Incremental Encoder (ER)	Signal		D-sub, 15-way, Female, UHV
Power	5 V		4
	0 V		12
Incremental	V ₁	+	9
		-	1
	V ₂	+	10
		-	2
Reference mark	V ₀	+	3
		-	11
Limits	V _p		7
	V _q		8
Set-up	V _x		6
Remote CAL	CAL		14

Absolute Encoder (EA)	Signal		D-sub, 9-way, Female, UHV
5 V			4
MA-			3
MA+			2
SLO-			7
GND			8
SLO+			6

NOTES

Incremental Encoder (ER) Cabling - readhead cable terminates with a PEEK D-sub, 15-way Female connector. The TONiC interface is provided as a separate 0.5m long airside cable per the example diagram below.



CONTACT US

Need support with your in-vacuum cabling configuration? AML is available to support and provide recommendations. Contact us at sales@arunmicro.com.