Solid Shaft Coupled Face

AV20 | AV25

Optical, Light Mill Duty

AV20 and AV25 Features

- 1/4", 3/8", and 10mm shaft options
- 1 – 3600 PPR AV20
- 1 – 5000 PPR AV25
- -40° to 100°C operation
- Industry standard mounting and form factor
- Optical sensor-rotor gap up to 8X larger than the competition
- Shatterproof optical disk
- 100lb shaft loads permitted (2-4X the competition)

Direct replacement for BEI H20 and H25, Dynapar Hx25, Hx525, Hx625 and many other common 2" and 2.5" encoders

Avtron model AV20 shown with square flange mounting style "1" (left) and servo mounting style "4" (right).

Avtron model AV25 shown with servo mounting style "2" (left) and square flange mounting style "1" (right).

SELECTION GUIDE

Model	PPR	Line Driver	Shaft Size	Connector Options	Wiring	Mounting Style	Face/Bolt Pattern	Seals	Channels	Special Features
AV20 **AV25**	**A-** *1* **C-** *25* **F-** *60* **G-** *100* **H-** *120* **K-** *200* **L-** *240* **M-** *250* **N-** *256* **P-** *300* **E-** *360* **Q-** *500* **R-** *512* **S-** *600* **T-** *625* **U-** *720* **V-** *900** **W-** *1000* **Y-** *1024* **Z-** *1200* **1-** *1250* **2-** *1440* **3-** *2000* **4-** *2048* **5-** *2500* **6-** *2540* **7-** *3600* **D-** *4096** **9-** *5000** **0-** *Special*	**1-** *5-28V (7272)* **2-** *5-28V, open collector (7273)* **3-** *5-15V* (4469)* **4-** *5-28V in, 5V out (7272)*	**0-***Non-std.* **With Flat** **A-** *0.25"* **B-** *0.375"* **C-** *10mm* **Without Flat** **N-** *0.25"* **P-** *0.375"* **R-** *10mm*	**W-** *18" cable (pigtail)* *See manual for all options.*	**A-** *Side* **E-** *End**	**AV20** **1-** *Sq. Flange 2.06", 1.25" mp* **2-** *Rnd. Flange 2.0", 1.25" mp* **3-** *Sq. Flange 2.06", 1.181" fp* **4-** *Rnd. Flange 2.0", 1.181" fp* **AV25** **1-** *Sq. Flange 2.650", 1.250" mp* **2-** *Rnd. Servo Mount 2.500", 1.250" mp* **3-** *Rnd. Servo Mount 2.625", 2.500" mp* *mp = male pilot fp = female pilot*	**X-** *none* **AV25** **1-** *3x 10-32 @ 1.875"* **2-** *4x 4-40 @ 1.272"^* **3-** *4x 4-40 @ 2"* **4-** *3x 6-32 @ 2"* **AV20** **5-** *4x 6-32 @ 2"* **6-** *4x 10-32 @ 1.625"* **7-** *3x 4-40 @ 1.5"*	**X-** *none* **A-** *Shaft Sealed*** **B-** *Bearing Sealed*	**With Comp.** **A-** *A,$\bar{A}$,B,$\bar{B}$ Z,$\bar{Z}$**** **B-** *A,$\bar{A}$,B,$\bar{B}$* **D-** *A,$\bar{A}$* **Without Comp.** **E-** *A,B,Z* **F-** *A,B*	**000-** *none* **00W-***Connector on 18" cable: Use w/ Option "T"-"U"* **9xx-** *Specify cable length xx=feet (use w/ Option "W")*

Connector Options

Mounted on Encoder

10 Pin MS	6 Pin MS	7 Pin MS	8 Pin M12
A- *w/o plug (std. phasing)*	**E-** *w/o plug (std. phasing)*	**J-** *w/o plug (std. phasing)*	**T-** *w/o plug (Turck Pinout)*
B- *w/o plug (reverse phasing)*	**F-** *w/o plug (reverse phasing)*	**K-** *w/o plug (reverse phasing)*	**U-** *w/o plug (US Pinout)*
C- *w/ plug (std. phasing)*	**G-** *w/ plug (std. phasing)*	**M-** *w/ plug (std. phasing)*	
D- *w/ plug (reverse phasing)*	**H-** *w/ plug (reverse phasing)*	**N-** *w/ plug (reverse phasing)*	

* *AV25 Only.*
** *N/A with AV20 Mounting Styles "3" & "4"*
** *N/A with AV25 Mounting Style "3"*
*** *N/A with MS 6 or 7 Pin Connector*
^ *Only available with AV25 Mounting Style "3"*

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