

HARPS FIBER ADAPTER

1. **Atm. Disp. Correction unit** = 49 Pins (15 control + 34 signal)

Motor + Tacho = 5 c Pins
Encoder = 10 s Pins

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Encoder = 10 s Pins
2 Limits = 4 s Pins

2. **Neutral Density Filter unit** = 15 Pins (5 control + 10 signal)

Motor + Tacho = 5 c Pins
Encoder = 10 s Pins

3. **Fiber Head Carriage** = 19 Pins (5 control + 14 signal)

Motor + Tacho = 5 c Pins
Encoder = 10 s Pins
2 Limits = 4 s Pins

4. **Mirror unit** = 19 Pins (5 control + 14 signal)

Motor + Tacho = 5 c Pins
Encoder = 10 s Pins
2 Limits = 4 s Pins

5. **Iodine cell unit** = 35 Pins (13 control + 22 signal)

Motor + Tacho = 5 c Pins
Encoder = 10 s Pins
2 Limits = 4 s Pins
Fans = 6 c Pins (2 inverter relay)

Iodine heating = 2 c Pins
Iodine sensors = 8 s Pins

6. **Fiberhead protection unit** = 9 Pins (5 control + 4 signal)

Motor + Tacho = 5 c Pins
2 Limits = 4 s Pins

Total 48 control lines + 98 signal lines → 64 control lines + 128 signal lines