

HARPS Instrument signals

Function	Position	Type	Board	Comments
General Environment	Monitor	Analog Input	VMIVME 1	
HARPS Environment	Monitor	Analog Input	VMIVME 2	
Room Temperature	Control	RS232	CPU	
Vessel Temperature	Control	RS232	TBD	
Vacuum Pump Status	Monitor	Digital	ACRO	

General environment:	Range	Sensor	Resolution	Comments
CFA Temperature	0-10V	PT100	0.01 °C	
Iodine Cell Temperature	0-10V		0.01 °C	
Humidity	TBD	TBD		
Coude room Temperature	0-10V	PT100		
HARPS Enclosure Temperature	0-10V	PT100	0.01 °C	
Auxiliary Room Temperature	0-10V	PT100	0.01 °C	
Calibration Unit Temperature	0-10V	PT100	0.01 °C	
Vacuum Vessel Ext. Temperature 1	0-10V	PT100	0.01 °C	
Vacuum Vessel Ext. Temperature 2	0-10V	PT100	0.01 °C	
Vacuum Vessel Ext. Temperature 3	0-10V	PT100	0.01 °C	
Vacuum Vessel Pressure	TBD	TBD		
Ambient Pressure	TBD	TBD		

HARPS Environment	Range	Sensor	Resolution	Comments
Image Scrambler Temperature	0-10V	PT100	0.01 °C	
CFC Ext. Temperature	0-10V	PT100	0.01 °C	
Detector Head Ext. Temperature	0-10V	PT100	0.01 °C	
Optical Bench Temperature 1	0-10V	PT100	0.01 °C	
Optical Bench Temperature 2	0-10V	PT100	0.01 °C	
Collimator Temperature	0-10V	PT100	0.01 °C	
Echelle Grating Temperature	0-10V	PT100	0.01 °C	
Grism Temperature	0-10V	PT100	0.01 °C	
Camera Temperature 1	0-10V	PT100	0.01 °C	
Camera Temperature 2	0-10V	PT100	0.01 °C	