

ADS121 UniversalDigital Weighing Transmitter

Model: ADS421

Category: Digital Weighing Module

Channel : 1 Channel

Operating Voltage: 3.3-5VDC-12vdc

SignalOutput: RS485/TTL

Application: DigitalWeighingMeasurement。

Keywords: DigitalWeighing Sensor, Digital Weighing Transmitter, DigitalADC, HX711WeighingModule



ADS121C



ADS121B

ADS121C

ADS121D

Item ParameterRange

OperatingPower Supply 5-12-24 VDC, CurrentLess than50mA(With4ChannelSensorwhen)

RS485

CommunicationProtocol Modbus RTU(Slave), TTL-UART Protocol

Address Via / Through DIP SwitchSetting

Baud Rate 9600、19200、38400、57600、115200

Parity Bit Even Parity、No Parity

Physical Calibration Supports

DigitalCalibration Supports

Separate Empty Load Calibration Supports

Accuracy Maximum High1/50000 (10Hz, room temperature)

OutputExcitationVoltage5V (Also Suitable forExcitationVoltageis10Vthe Sensor)

Sampling Rate5、10、20、40、80 Hz

Gain1、2、64、128Gain

Filter Method Digital Filter, Anti-interference, Anti-shake, balances SensitivityandStability

Integral Nonlinearity $\pm 0.0004\%$ FS

Zero Set Range $\pm 4\%$ max (maxis Max capacity)

DivideTare Range Greater than0and Less thanmax

Stability Detection Time 1seconds

Stability Detection Range $\pm 1d$ (d=1)

InitialZero Set Range $\pm 2d$

Dynamic Tracking 0-500d/s

Operating Temperature $-25^{\circ}\text{C} \sim 65^{\circ}\text{C}$
 Storage Temperature $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$
 Housing Dimension $125\text{mm} \times 90\text{mm} \times 40\text{mm}$ (Long $\times$ Width $\times$ Depth) (with waterproof Terminal)
 Bare Board Dimension $92\text{mm} \times 50\text{mm}$ (Long $\times$ Width)
 Weight 0.2kg

