

ADI1137K / ADI 1137K-RR Parallel Data Display

Technical Specifications

Function

This instrument receives parallel data and converts it to represent a range; the data is then retransmitted as parallel data.

RR Option

To zero the display at a desired bit count; link terminal 31 to terminal 33 for 5 seconds, when zeroed remove link. The zeroed bit count is retained even after power down. This offset count is then transmitted as the parallel data output

Parallel Data Input

12 Bit parallel data input

Logic levels: Low = 0Vdc,
High = 5V to 24Vdc

Parallel Data Output

12 Bit parallel data output

Logic levels: Low = 0Vdc, High = 24Vdc

Each Bit can drive up to 5mA

Display

4 Digit display

Display range: 000.0 to 359.9°

Accuracy: +/- 1 LSB

Alternative specifications may be available on request

Performance

Refresh rate: 50ms

Protection

Isolation 500Vdc: (Input + Output)/Supply/Earth

Internal Fuse.

RF Immunity: 20MHz-3GHz/5.25GHz $\leq$ 10V/m, 80MHz-1GHz/5.6GHz $\leq$ 30V/m

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH

Supply

Voltage: 24Vdc +/- 10%

Max power consumption: 2.8 Watts

Dimensions

Front plate (Box): Width 233mm (177mm) x Height 80mm (60mm) x Depth 3mm (127mm)

Cut out: Width 179mm x Height 62mm



Customer Termination

Fixed screw terminals as standard
(Plug-in terminals optional)

TB	Function	TB	Function
1	1 (LSB)	18	Ref(0V)
2	2	19	1 (LSB)
3	3	20	2
4	4	21	3
5	5	22	4
6	6	23	5
7	7	24	6
8	8	25	7
9	9	26	8
10	10	27	9
11	11	28	10
12	12 (MSB)	29	11
13	Ref(0V)	30	12 (MSB)
14	Earth	31	Zero (RR option)
15	+Ve Supply	32	NC
16	-Ve Supply	33	Zero (RR option)
17	Screen	34	NC
		35	NC
		36	NC

NC = Not connected

Tel: 01908-567003 Email: sales@amelec-uk.com Visit: www.amelec-uk.com Fax: 01908-566735

AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ