

CIO-DISO48

Specifications



**MEASUREMENT
COMPUTING™**

Document Revision 6.1, March, 2010
© Copyright 2010, Measurement Computing Corporation

Specifications

All specifications are subject to change without notice.

Typical for 25°C unless otherwise specified.

Specifications in *italic text* are guaranteed by design.

Isolated inputs

Table 1. Isolated input specifications

Number	48
Range	5-28 V DC or AC (50 to 1000 Hz) Not TTL compatible.
Isolation	500 V
Resistance	1.6 kΩ minimum
Response	Without filter: 20 mS With filter switched in: 5 mS

Power consumption

Table 2. Power consumption specifications

+5 V supply	0.6 A typical, 1.0 A maximum
-------------	------------------------------

Environmental

Table 3. Environmental specifications

Operating temperature range	0 to 50 °C
Storage temperature range	-20 to 70 °C
Humidity	0 to 90% non-condensing

Mechanical

Table 4. Mechanical specifications

Weight	8 oz.
Dimensions	3 7/8" (99 mm) height, excluding gold fingers 6 1/2" (164 mm) length

Main connector and pin out

Table 5. Main connector specifications

Connector type	P1 and P2: 50-pin header connectors
Compatible cable	C50FF-x, where x = length in feet
Compatible accessory products with the C50FF-x	CIO-MINI50

P1 pin out

Table 6. Connector P1 pin out

Pin	Signal name	Pin	Signal name
50	GND	49	+5V
48	ISO 23	47	ISO 23
46	ISO 22	45	ISO 22
44	ISO 21	43	ISO 21
42	ISO 20	41	ISO 20
40	ISO 19	39	ISO 19
38	ISO 18	37	ISO 18
36	ISO 17	35	ISO 17
34	ISO 16	33	ISO 16
32	ISO 15	31	ISO 15
30	ISO 14	29	ISO 14
28	ISO 13	27	ISO 13
26	ISO 12	25	ISO 12
24	ISO 11	23	ISO 11
22	ISO 10	21	ISO 10
20	ISO 9	19	ISO 9
18	ISO 8	17	ISO 8
16	ISO 7	15	ISO 7
14	ISO 6	13	ISO 6
12	ISO 5	11	ISO 5
10	ISO 4	9	ISO 4
8	ISO 3	7	ISO 3
6	ISO 2	5	ISO 2
4	ISO 1	3	ISO 1
2	ISO 0	1	ISO 0

P2 pin out

Table 7. Connector P2 pin out

Pin	Signal name	Pin	Signal name
50	GND	49	+5V
48	ISO 47	47	ISO 47
46	ISO 46	45	ISO 46
44	ISO 45	43	ISO 45
42	ISO 44	41	ISO 44
40	ISO 43	39	ISO 43
38	ISO 42	37	ISO 42
36	ISO 41	35	ISO 41
34	ISO 40	33	ISO 40
32	ISO 39	31	ISO 39
30	ISO 38	29	ISO 38
28	ISO 37	27	ISO 37
26	ISO 36	25	ISO 36
24	ISO 35	23	ISO 35
22	ISO 34	21	ISO 34
20	ISO 33	19	ISO 33
18	ISO 32	17	ISO 32
16	ISO 31	15	ISO 31
14	ISO 30	13	ISO 30
12	ISO 29	11	ISO 29
10	ISO 28	9	ISO 28
8	ISO 27	7	ISO 27
6	ISO 26	5	ISO 26
4	ISO 25	3	ISO 25
2	ISO 24	1	ISO 24

Measurement Computing Corporation
10 Commerce Way
Suite 1008
Norton, Massachusetts 02766
(508) 946-5100
Fax: (508) 946-9500
E-mail: info@mccdaq.com
www.mccdaq.com