



Connect common strain gage-based load cells, force sensors, and torque sensors to our Models 5i and 3i indicators with this user-configurable adapter and software.

Sensor capacity and resolutions may be programmed via an included software utility, which includes a library of common force capacities from 0.12 to 750,000 lbf (0.5 N to 4,000 kN), and torque capacities from 10 ozFin to 40,000 lbfIn (7 Ncm to 57,000 Nm). An identification number may be programmed, which is displayed upon indicator power-up or the indicator's Information screen.

Through Plug & Test™ technology, all configuration and calibration information is saved within the adapter. This flexibility allows for interchangeability between multiple sensors with both the 5i and 3i indicators.

Features

- Compatible with strain gage-based load cells, force sensors, and torque sensors
- Screw terminal block allows for easy connection of sensor wires
- Software configuration utility is included, for easy programming of sensor capacity, resolution, and identification number
- Program the adapter via USB or RS-232 through the indicator
- Supplied with a strain relief, user-writeable identification label, and Resource CD with software

Requirements

- Sensor type: Full bridge
- Sensor resistance: 300 - 1000 ohms
- Sensor sensitivity: 1 - 3 mV/V full scale
- 5i or 3i indicator with firmware version 1.0.9 or later*



^ Cover is removed to expose the PCB with labelled wire connections and screw terminal block.

* The PTA adapter *cannot be configured* using older indicator versions. The PTA adapter *can be used* with older indicator versions, however, the adapter *cannot be calibrated* for single-direction load cells, such as load button and thru hole type load cells.



^ Software utility features a library of force and torque capacities. Programming of capacity, resolution, and identification number is done via USB through the 5i or 3i indicator.

MARK-10



Distribué par Wimesure

54, rue de Versailles • 78460 CHEVREUSE • Tél. 01 30 47 22 00 • Fax 01 30 47 28 29
www.wimesure.fr • info@wimesure.fr



Specifications subject to change without prior notice

Force Capacities & Resolutions

Capacity							Resolution With Model 5i indicator							Resolution With Model 3i indicator				
lbF	ozF	kgF	gF	N	kN	mN	lbF	ozF	kgF	gF	N	kN	mN	lbF	kgF	gF	N	kN
0.12	2	-	50	0.5	-	500	0.00005	0.001	-	0.02	0.0002	-	0.2	0.0001	-	0.05	0.0005	-
0.25	4	-	100	1	-	1000	0.0001	0.002	-	0.05	0.0005	-	0.5	0.0002	-	0.1	0.001	-
0.5	8	-	250	2.5	-	2500	0.0002	0.005	-	0.1	0.001	-	1	0.0005	-	0.2	0.002	-
1	16	-	500	5	-	5000	0.0005	0.01	-	0.2	0.002	-	2	0.001	-	0.5	0.005	-
2	32	1	1000	10	-	-	0.001	0.02	0.0005	0.5	0.005	-	-	0.002	0.001	-	0.01	-
5	80	2.5	2500	25	-	-	0.002	0.05	0.001	1	0.01	-	-	0.005	0.002	-	0.02	-
10	160	5	5000	50	-	-	0.005	0.1	0.002	2	0.02	-	-	0.01	0.005	-	0.05	-
20	320	10	10000	100	-	-	0.01	0.2	0.005	5	0.05	-	-	0.02	0.01	-	0.1	-
25	400	10	10000	100	-	-	0.01	0.2	0.005	5	0.05	-	-	0.02	0.01	-	0.1	-
50	800	25	25000	250	-	-	0.02	0.5	0.01	10	0.1	-	-	0.05	0.02	-	0.2	-
75	1200	40	40000	400	-	-	0.05	0.5	0.02	20	0.2	-	-	0.1	0.05	-	0.5	-
100	1600	50	50000	500	-	-	0.05	1	0.02	20	0.2	-	-	0.1	0.05	-	0.5	-
150	2400	75	75000	750	-	-	0.1	2	0.05	50	0.5	-	-	0.2	0.1	-	1	-
200	3200	100	100000	1000	-	-	0.1	2	0.05	50	0.5	-	-	0.2	0.2	-	2	-
250	4000	100	-	1000	1.1	-	0.1	2	0.05	-	0.5	0.0005	-	0.2	0.2	-	2	-
300	4800	150	-	1500	1.5	-	0.2	5	0.1	-	1	0.001	-	0.5	0.2	-	2	-
500	8000	250	-	2500	2.5	-	0.2	5	0.1	-	1	0.001	-	0.5	0.2	-	2	-
750	12000	400	-	4000	4	-	0.5	10	0.2	-	2	0.002	-	1	0.5	-	5	-
1000	16000	500	-	5000	5	-	0.5	10	0.2	-	2	0.002	-	1	0.5	-	5	-
1500	24000	750	-	7500	7.5	-	1	20	0.5	-	5	0.005	-	2	1	-	10	-
2000	32000	1000	-	10000	10	-	1	20	0.5	-	5	0.005	-	2	1	-	10	-
2500	-	1000	-	10000	10	-	1	-	0.5	-	5	0.005	-	2	1	-	10	-
3000	-	1500	-	15000	15	-	2	-	1	-	10	0.01	-	5	2	-	20	-
5000	-	2500	-	25000	25	-	2	-	1	-	10	0.01	-	5	2	-	20	-
7500	-	4000	-	40000	40	-	5	-	2	-	20	0.02	-	10	5	-	50	-
10000	-	5000	-	50000	50	-	5	-	2	-	20	0.02	-	10	5	-	50	-
15000	-	7500	-	75000	75	-	10	-	5	-	50	0.05	-	20	10	-	100	-
20000	-	10000	-	100000	100	-	10	-	5	-	50	0.05	-	20	10	-	100	-
25000	-	10000	-	100000	100	-	10	-	5	-	50	0.05	-	20	10	-	100	-
30000	-	15000	-	150000	150	-	20	-	10	-	100	0.1	-	50	20	-	200	-
50000	-	25000	-	250000	250	-	20	-	10	-	100	0.1	-	50	20	-	200	-
75000	-	40000	-	400000	400	-	50	-	20	-	200	0.2	-	100	50	-	500	-
100000	-	50000	-	500000	500	-	50	-	20	-	200	0.2	-	100	50	-	500	-
150000	-	75000	-	750000	750	-	100	-	50	-	500	0.5	-	200	100	-	1000	-
200000	-	100000	-	-	1000	-	100	-	50	-	-	0.5	-	200	100	-	-	1
250000	-	100000	-	-	1000	-	100	-	50	-	-	0.5	-	200	100	-	-	1
300000	-	150000	-	-	1500	-	200	-	100	-	-	1	-	500	200	-	-	2
500000	-	250000	-	-	2500	-	200	-	100	-	-	1	-	500	200	-	-	2
750000	-	400000	-	-	4000	-	500	-	200	-	-	2	-	1000	500	-	-	5



Specifications subject to change without prior notice

**Distribué par Wimesure**54, rue de Versailles • 78460 CHEVREUSE • Tél. 01 30 47 22 00 • Fax 01 30 47 28 29
www.wimesure.fr • info@wimesure.fr