

Compression-type Load Cell with USB Output CMX-USB

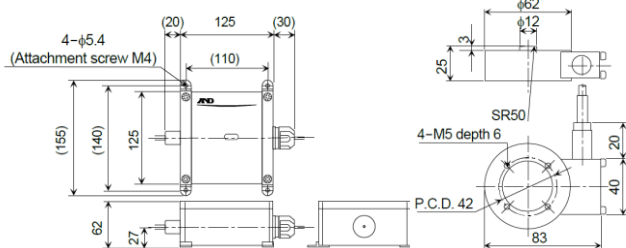


- Standard USB output for easy PC connection. (Using the measurement software "Win-CT-DLC")
- No additional power supply is needed (USB Bus Powered)
- Pre-calibrated for immediate use.
- User-friendly for all, no indicator expertise required.
- Versatile applications beyond industry use.



External View
CONVERSION BOX

LOAD CELL



Specifications

Model No.	Capacity	Deflection amount	Natural frequency*1
CMX-50L-U	500N (50.99kg)	0.06mm	5.5kHz
CMX-100L-U	1kN (102.0kg)	0.03mm	8.1kHz
CMX-200L-U	2kN (203.9kg)	0.03mm	11.5kHz
CMX-500L-U	5kN (509.9kg)	0.03mm	18.5kHz
CMX-1-U	10kN (1.020t)	0.04mm	22.5kHz
CMX-2-U	20kN (2.039t)	0.03mm	20.0kHz

*1: Load cell only

Common Specifications

Combined error	0.2% of R.O.	
Power supply voltage	5 V DC (USB bus power)	
Average current consumption *2	60mA or less	
Zero balance	±2% of R.O.	
Temp. effect on zero	0.2% of R.O./10°C	
Temp. effect on span	0.2% of Load/10°C	
Temp. compensation range	-10°C to 60°C	
Safe load limit	150% of R.C.	
Ultimate safe overload	200% of R.C.	
Cable	Load cell cable: Φ5mm / 3m USB cable: Φ4mm / 1.2m / Type-A	
Material	Load Cell: Stainless steel Conversion Box: Polycarbonate	
Dustproof/waterproof	Load Cell: IP67 Conversion Box: IP65	
Weight	1kg	
A/D conversion rate	100 times/s	
Digital filter	Select from None, 0.7, 1.0, 1.4, 2.0, 2.8, 4.0, 5.6, 8.0, 11.0 Hz (Initial value 1.0 Hz)	
Communications standard	USB Ver.2.0 Full Speed	
Communication settings	Baud rate	38400 bps
	Character bit length	8 bit
	Parity	Even
	Stop bit length	1 bit
	Terminator	CR LF
	Code	ASCII

*2: Reference value



Discover Precision

A&D Company, Ltd. (JAPAN)
URL: aandd.jp
A&D Engineering, Inc. (USA)
URL: andonline.com
A&D Australasia Pty Ltd. (Australia)
URL: andaustralasia.com.au
A&D Instruments Ltd. (United Kingdom)
URL: andprecision.com
<German Sales Office>
URL: andprecision.com

A&D Korea Ltd. (South Korea)
URL: andk.co.kr
A&D Rus Co., Ltd. (Russia)
URL: and-rus.ru
A&D Instruments India (P) Ltd. (India)
URL: aanddindia.in
A&D Scientech Taiwan Ltd. (Taiwan)
URL: aandd.com.tw
A&D Instruments Thailand Ltd. (Thailand)
URL: thai.andprecision.com