ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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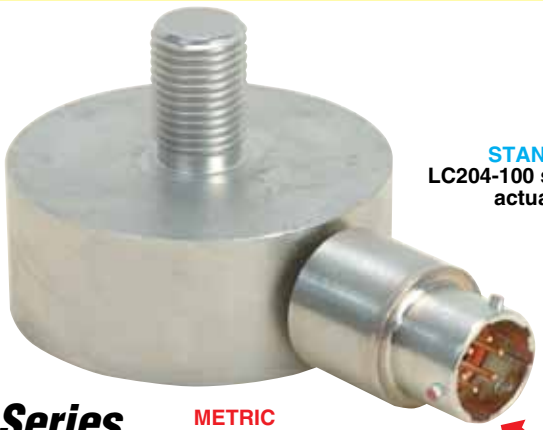
Find the *OMEGA / Omegadyne LC204-25* at our website: ***Click HERE***

HIGH-ACCURACY MINIATURE UNIVERSAL LOAD CELLS SURFACE MOUNT STYLE

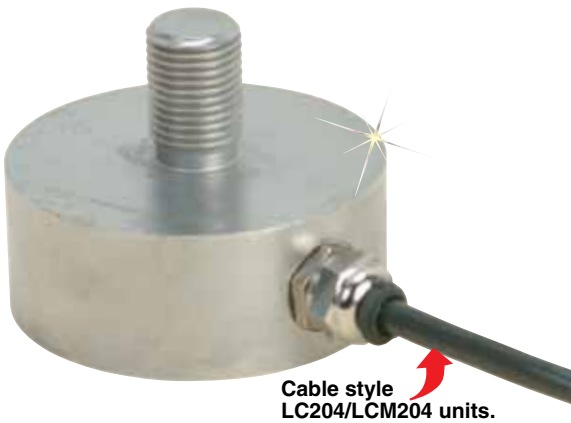
51 mm (2") DIAMETER STANDARD AND METRIC MODELS

Tension/Compression
Calibrated in Tension
0-25 lb to 0-10,000 lb
0-100 to 0-50,000 N

1 Newton = 0.2248 lb
1 daNewton = 10 Newtons
1 lb = 454 g
1 t = 1000 kgf = 2204 lb



METRIC
LCM214-100N shown actual size.



STANDARD
LC204-100 shown actual size.

Cable style LC204/LCM204 units.

Twist-lock connector LC214/LCM214 units.



Bottom view of all units, Shown smaller than actual size.

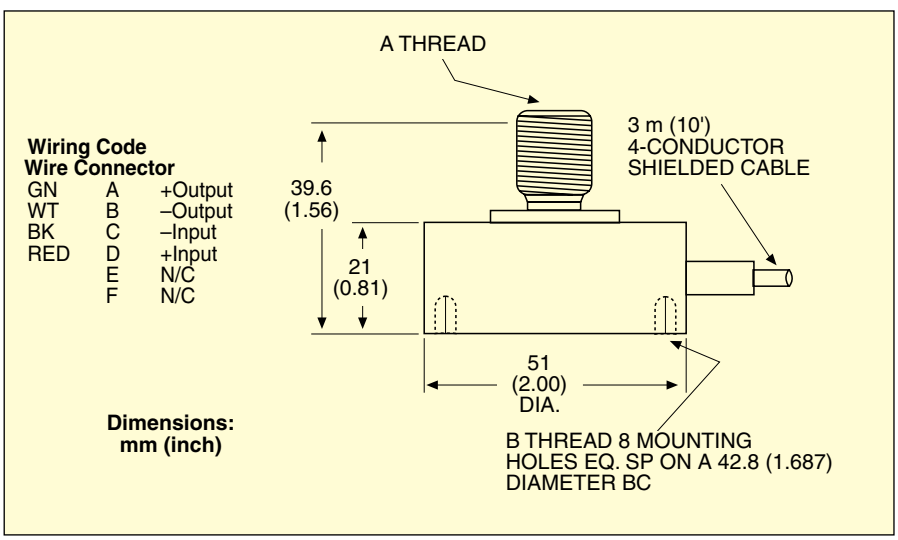
LC204/LCM204 Series
LC214/LCM214 Series

NIST FM APPROVED RoHS

Standard

- **FM Intrinsically Safe**
- **1.0% Interchangeability for Scale Applications**
- **Miniature Package for Test Stands and Difficult Locations**
- **Designed to be Mounted on a Flat Surface**
- **5-Point Calibration**

OMEGA's LC204/LCM204 Series load cells are designed to be surface mounted with the load applied through the mounting stud. The high linearity (0.15%) and all stainless steel construction make them ideal for industrial and commercial weighing and for force measuring applications.



Wiring Code
Wire Connector

GN	A	+Output
WT	B	–Output
BK	C	–Input
RED	D	+Input
	E	N/C
	F	N/C

Dimensions: mm (inch)

Dimensions: mm (inch)

MODEL	A THREAD	B THREAD
LC204/LC214	½-20 UNF-2A 19 (0.75) L	10-32 UNF 6.3 (0.25) DP min
LCM204/LCM214	M12 x 1.75 19 (0.75) L	M5 x 0.8 6.3 (0.25) DP min

SPECIFICATIONS

Excitation: 10 Vdc, 15 Vdc maximum
Output: 2 mV/V ±1.0%
5-Point Calibration (in Tension): 0%, 50%, 100%, 50%, 0%
Linearity: ±0.15% FSO
Hysteresis: ±0.1% FSO
Repeatability: ±0.05% FSO
Zero Balance: ±2% FSO
Operating Temp Range: -46 to 107°C (-50 to 225°F)
Compensated Temp Range: 16 to 71°C (60 to 160°F)
Protection Class: IP65
Thermal Effects:
Zero: 0.0045% FSO/°F
Span: 0.009% FSO/°F
Safe Overload: 150% of capacity
Ultimate Overload: 300% of capacity
Input Resistance: 350 Ω minimum
Output Resistance: 350 ±10 Ω
Construction: Stainless steel
Electrical: 3 m (10') 4-conductor shielded cable
LC214/LCM214 Mating Connector: PT06F10-6S (sold separately)
LC214/LCM214 Cable Assembly with Twist Lock Connector: CA-4PC24-2-015 (sold separately)



STANDARD
LC204-100 shown actual size.

STANDARD MODELS

To Order

CAPACITY		MODEL NO.		COMPATIBLE METERS**
lb	N	CABLE	CONNECTOR	
25	111	**LC204-25**	**LC214-25**	DPiS, DP41-S, DP25B-S
50	222	**LC204-50**	**LC214-50**	DPiS, DP41-S, DP25B-S
100	445	**LC204-100**	**LC214-100**	DPiS, DP41-S, DP25B-S
200	890	**LC204-200**	**LC214-200**	DPiS, DP41-S, DP25B-S
300	1334	**LC204-300**	**LC214-300**	DPiS, DP41-S, DP25B-S
500	2224	**LC204-500**	**LC214-500**	DPiS, DP41-S, DP25B-S
1000	4448	**LC204-1K**	**LC214-1K**	DPiS, DP41-S, DP25B-S
2000	8897	**LC204-2K**	**LC214-2K**	DPiS, DP41-S, DP25B-S
2500	11,121	**LC204-2.5K**	**LC214-2.5K**	DPiS, DP41-S, DP25B-S
5000	22,242	**LC204-5K**	**LC214-5K**	DPiS, DP41-S, DP25B-S
8000	35,587	**LC204-8K**	**LC214-8K**	DPiS, DP41-S, DP25B-S
10,000	44,484	**LC204-10K**	**LC214-10K**	DPiS, DP41-S, DP25B-S

Comes complete with 5-point NIST-traceable calibration and 59 kΩ shunt data.
******* Visit us online for compatible meters. DPiS meter suitable for one direction measurement only.*
***Ordering Examples: LC204-25,** 25 lb capacity surface mount load cell.*
***LC204-1K,** 1000 lb capacity surface mount load cell.*



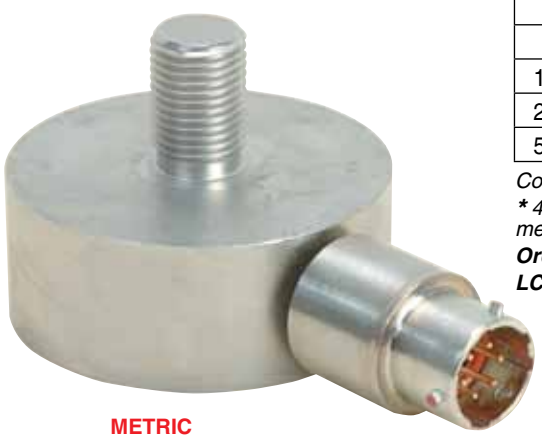
Bottom view of all units, shown smaller than actual size.

METRIC MODELS

To Order

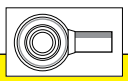
CAPACITY		MODEL NO.		
N	lb	CABLE	CONNECTOR	COMPATIBLE METERS**
100	22	**LCM204-100N**	**LCM214-100N**	DPiS, DP41-S, DP25B-S
200	45	**LCM204-200N**	**LCM214-200N**	DPiS, DP41-S, DP25B-S
500	112	**LCM204-500N**	**LCM214-500N**	DPiS, DP41-S, DP25B-S
1000	225	**LCM204-1KN**	**LCM214-1KN**	DPiS, DP41-S, DP25B-S
2000	450	**LCM204-2KN**	**LCM214-2KN**	DPiS, DP41-S, DP25B-S
5000	1124	**LCM204-5KN**	**LCM214-5KN**	DPiS, DP41-S, DP25B-S
10,000	2248	**LCM204-10KN**	**LCM214-10KN**	DPiS, DP41-S, DP25B-S
20,000	4496	**LCM204-20KN**	**LCM214-20KN**	DPiS, DP41-S, DP25B-S*
50,000	11,241	**LCM204-50KN**	**LCM214-50KN**	DPiS, DP41-S, DP25B-S*

Comes complete with 5-point NIST-traceable calibration and 59 kΩ shunt data.
****** 4-digit meter. ****** Visit us online for compatible meters. DPiS meter suitable for one direction measurement only.*
***Ordering Examples: LCM204-100,** 100 N capacity surface-mount load cell.*
***LCM204-5KN,** 5000 N capacity surface-mount load cell.*



METRIC
LCM214-100N shown actual size.

ACCESSORIES



MODEL NO.	DESCRIPTION
REC-012F	Rod end for LC204/LC214 Series
MREC-M12F	Rod end for LCM204/LCM214 Series
PT06F10-6S	Mating connector for LC214/LCM214 series load cells

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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