



LOAD-MASTER *LITE*

Tension Load Cell

Load Ranges 1000kg to 4750kg

Fits standard shackle sizes

Cabled (*LML-C*) or Wireless (*LML-W*) Options

LOAD MONITORING • FORCE MEASUREMENT • WEIGHING

Load Ranges	1000 , 2000 , 3250 , 4750	kg
Display Units	kg (other units on request)	
Battery Life	250 Hours min. (continuous)	
Wireless Range	100 Metres (line of sight)	
Accuracy Class	0.25 % (% Applied Load)	
Overload Capacity	150 % (% Capacity)	
Safety Factor (Ultimate Load)	5 : 1	
Operating temp.	0 to +50 °C	
Environmental Sealing	IP54	to BS EN60529

Included :

LML-C: Load Cell, Display, 10M Cable, Carry Case

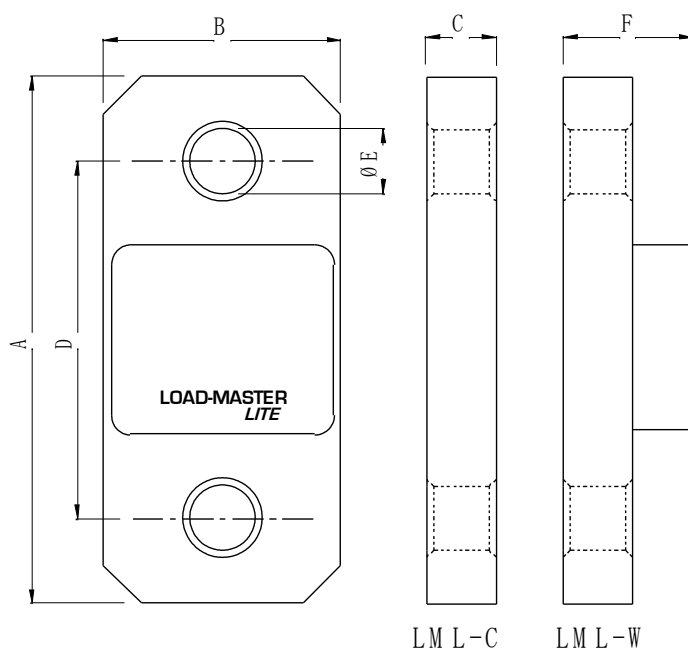
LML-W: Load Cell, Display, Carry Case

Display Division:

1000kg	x	0.5kg
2000kg	x	1kg
3250kg	x	1kg
4750kg	x	1kg

Shackle Size:

1000kg	2t
2000kg	2t
3250kg	3.25t
4750kg	4.75t
(eg. Crosby G-2130 or equivalent)	



Range	A	B	C	D	ØE	F
1000	140	63	18.5	95	17	31
2000	140	63	18.5	95	17	31
3250	148	63	24	95	20	36
4750	148	63	27	95	24	40
kg						mm

The information provided is intended for product description only. Specifications are subject to change. Full product details available on request.

FORCE LOGIC UK LTD

N4 lambs Farm Business Park
Swallowfield, Berkshire, RG7 1PQ, UK
T: +44 (0)118 988 8807
E: sales@force-logic.co.uk
W: www.force-logic.co.uk

Force
LOGIC UK

MANUFACTURED IN THE UK 



LOAD-MASTER LM

Tension Load Cell

Load Ranges 5t to 300t

Lightweight Aluminium Alloy

Cabled (LM-C) or Wireless (LM-W) Options

LOAD MONITORING • FORCE MEASUREMENT • WEIGHING

Load Ranges	5 , 12 , 25 , 50 100 , 200 , 300	tonne
Display Units	tonne (other units on request)	
Battery Life	250 Hours min. (continuous)	
Wireless Range	100 Metres (line of sight)	
Maximum Error	0.25 %	% Reading
Overload Capacity	200 %	% Capacity
Safety Factor	5 : 1	
Operating temp.	0 to +50	°C
Environmental Sealing	IP65	to BS EN60529

Range	A	B	C	D	ØE
5	250	95	35	170	27
12	290	101	50	180	48
25	320	127	55	200	55
50	430	152	75	250	76
100	600	265	100	320	100
200	700	325	150	350	146
300	800	375	200	420	162
tonne	mm				

Includes :

LM-C: Load Cell, H100 Remote Display, 10M Cable, Carry Case

LM-W: Load Cell, HS-FL Remote Display, Carry Case

Display Division:

5 tonne	1kg
12 tonne	5kg
25 tonne	10kg
50 tonne	10kg
100 tonne	100kg
200 tonne	100kg
300 tonne	200kg

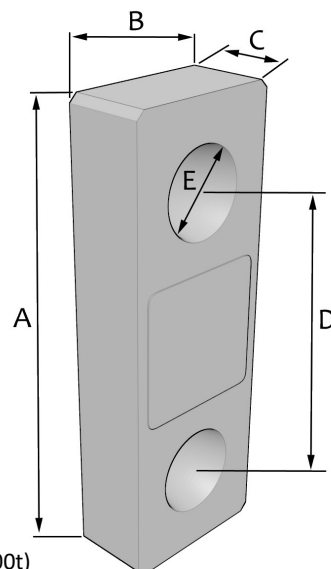
Shackle Size:

5 tonne	6.5t
12 tonne	12t
25 tonne	25t
50 tonne	55t
100 tonne	120t
200 tonne	200t
300 tonne	300t

Shipping Weight:

5 tonne	6kg
12 tonne	7kg
25 tonne	9kg
50 tonne	15kg
100 tonne	50kg
200 tonne	95kg
300 tonne	170kg

(Shackle size based on Crosby G-2130 or equivalent to 120t, G-2140 or equivalent 200t to 300t)



The information provided is intended for product description only.
Specifications are subject to change.
Full product details available on request.

FORCE LOGIC UK LTD

N4 Lambs Farm Business Park
Swallowfield, Berkshire, RG7 1PQ, UK
T: +44 (0)118 988 8807
E: sales@force-logic.co.uk
W: www.force-logic.co.uk

Force

LOGIC

UK

MANUFACTURED IN THE UK





LOAD-MASTER *SLP*

Load Indicating Shackle

3.25tonne to 100tonne

Standard Shackle Sizes

Stainless Steel Pin & Bobbin

Cabled (*SLP-C*) or Wireless (*SLP-W*)

LOAD MONITORING • FORCE MEASUREMENT • WEIGHING

Rated Capacities	3.25 , 5 , 12 , 25 , 50 , 100 tonne	
Display Units	tonne (other units on request)	
Battery Life	100 Hours min.	
Wireless Range	200 Metres	(direct sight)
Maximum Error	1 %	% Reading
Overload Capacity	200%	% Capacity
Safety Factor	5 : 1	
Operating temp.	-10 to +60	°C
Environmental Sealing	IP65	to BS EN60529

Capacity	A	B	C	D
3.25	27	57	74.5	17.5
5	36	80	102	25
12	51	115	146	35
25	60	140	175	41
50	82	260	258	61
100	127	310	371	83
tonne	mm			

Includes :

SLP-C: Load Sackle, H100 Remote Display, 10Metres Cable

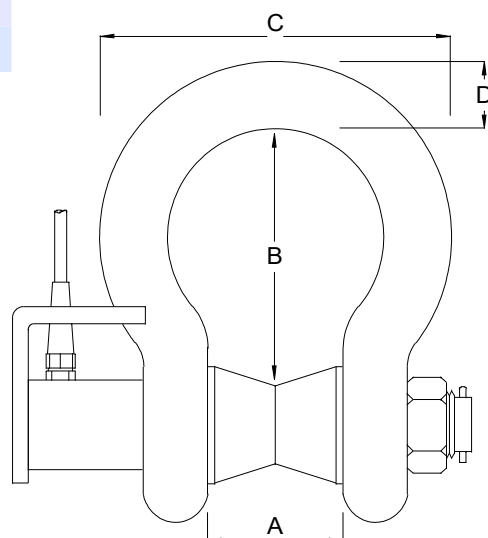
SLP-W: Load Shackle, HS-FL-PH Wireless Display

Screen Resolution

Capacity:	Divison:
3.25 tonne	5kg
5 tonne	5kg
12 tonne	10kg
25 tonne	20kg
50 tonne	50kg
100 tonne	100kg

Shipping Weight

Capacity:	Weight:
3.25 tonne	2kg
5 tonne	4kg
12 tonne	8kg
25 tonne	19kg
50 tonne	48kg
100 tonne	80kg



The information provided is intended for product description only.
Specifications are subject to change.
Full product details available on request.

FORCE LOGIC UK LTD

N4 Lambs Farm Business Park
Swallowfield, Berkshire, RG7 1PQ, UK
T: +44 (0)118 988 8807
E: sales@force-logic.co.uk
W: www.force-logic.co.uk

SLPDS_2.0

Force

LOGIC UK

MANUFACTURED IN THE UK 



DTC

Compression Load Cell

2tonne to 50tonne

Compact Size

Stainless Steel

Rated Capacities ¹	2 , 5 , 10 , 25 , 50	tonne
Full Scale Output (FSO)	1.5	mV/V
Zero Output (ZO)	< $\pm 1\%$	FSO
Bridge Resistance	700 (nominal)	Ω
Excitation	5 to 15	V ac/dc
Non-repeatability	0.05 %	FSO
Accuracy ²	0.2 %	FSO
Compensated temp.	+10 to +50	$^{\circ}\text{C}$
Operating temp.	-10 to +60	$^{\circ}\text{C}$
Environmental Sealing	IP65	to BS EN60529

Connections :

3 Metres 4-core Cable ³

- + Supply - Red
- Supply - Blue
- + Signal - Green
- Signal - Yellow
- Braided Screen

Options :

- Base Plate
- Standardised output for multiple cell systems
- Instrumentation / system calibration

¹ Safe overload 150% Rated Capacity.
Ultimate load 300% Rated Capacity.

² Combined error, considering non-linearity & hysteresis as deviation from best straight line, from ZO to FSO.
Correct mounting of the load cell is essential to achieve optimum performance.

³ Calibration void if cable length is altered.

The information provided is intended for product description only.
Specifications are subject to change.
Full product details available on request.

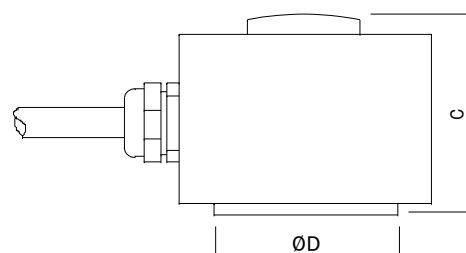
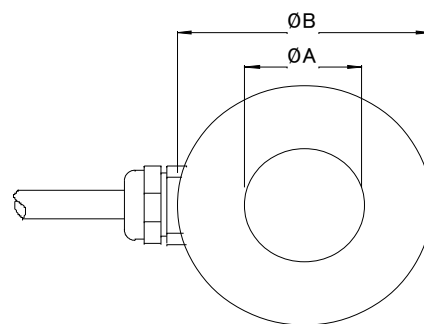
Force Logic UK Ltd

N4 Lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK

+44 (0)118 988 8807

info@force-logic.co.uk www.force-logic.co.uk

Capacity	A	B	C	D
2	20	40	38	32
5	26	50	50	40
10	35	63	62	50
25	45	75	80	63.5
50	65	100	110	88.5
tonne	mm			



Force
LOGIC UK

Manufactured in the UK 



CDC

Compression Load Cell

0.5tonne to 10tonne
Low Profile
Stainless Steel

Rated Capacities ¹	0.5 , 1 , 2.5 , 5 , 10	tonne
Full Scale Output (FSO)	2.0 ($\pm 0.25\%$)	mV/V
Zero Output (ZO)	$< \pm 1\%$	FSO
Bridge Resistance	700 (nominal)	Ω
Excitation	5 to 15	V ac/dc
Non-repeatability	0.05 %	FSO
Accuracy ²	0.2 %	FSO
Compensated temp.	+10 to +50	$^{\circ}\text{C}$
Operating temp.	-10 to +60	$^{\circ}\text{C}$
Environmental Sealing	IP65	to BS EN60529

Connections :

3 Metres 4-core Cable ³

- + Supply - Red
- Supply - Blue
- + Signal - Green
- Signal - Yellow
- Overall Screen

Options :

- Base Plate
- Standardised output for multiple cell systems.
- Instrumentation / system calibration.

¹ Safe overload 150% Rated Capacity. Ultimate load 300% Rated Capacity.

² Combined error, considering non-linearity & hysteresis as deviation from best straight line, from ZO to FSO.
Correct mounting of the load cell is essential to achieve optimum performance.

³ Calibration void if cable length is altered.

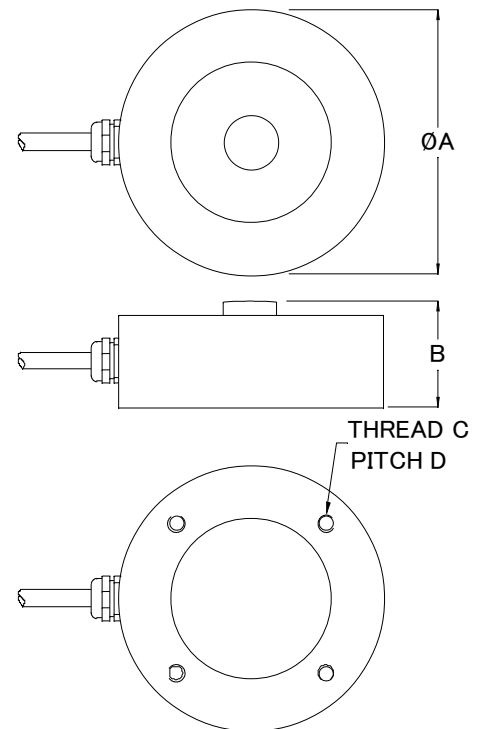
The information provided is intended for product description only.
Specifications are subject to change.
Full product details available on request.

Force Logic UK Ltd

N4 Lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK
+44 (0)118 988 8807
info@force-logic.co.uk

www.force-logic.co.uk

Capacity	A	B	C	D
0.5 , 1 , 2.5	63	25	M4	48
5 , 10	100	39	M6	80
tonne	mm			



Force
LOGIC UK
Manufactured in the UK 



CCL

Universal Column Load Cell

50kN to 500kN

Tension & Compression
High Stability

Rated Capacities ¹	50 , 100 , 250 , 500	kN
Full Scale Output (FSO)	1.5 (nominal)	mV/V
Zero Output (ZO)	< ± 1 %	FSO
Bridge Resistance	700 (nominal)	Ω
Excitation	5 to 15	V ac/dc
Non-repeatability	0.02 %	FSO
Accuracy ²	0.1 %	FSO
Compensated temp.	0 to +50	°C
Operating temp.	-10 to +70	°C
Environmental Sealing	IP65	to BS EN60529

Connections :

Screw fitting chassis socket.
Mating plug and 3 Metre cable
(unless extra specified).³

Options :

- Tension & compression fittings.
- Standardised output for multiple cell systems.
- Instrumentation / system calibration.
- 6-core cable connection.

¹ Safe overload 150% Rated Capacity. Ultimate load 300% Rated Capacity.

² Combined error, considering non-linearity & hysteresis as deviation from best straight line, from ZO to FSO.

Correct mounting of the load cell is essential to achieve optimum performance.

³ Calibration void if cable length is altered.

The information provided is intended for product description only.
Specifications are subject to change.
Full product details available on request.

Force Logic UK Ltd

N4 Lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK

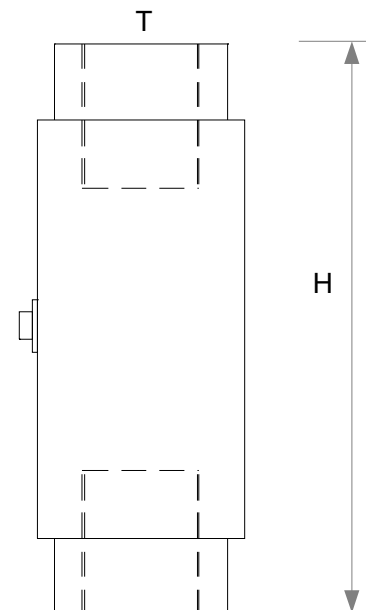
+44 (0)118 988 8807

info@force-logic.co.uk www.force-logic.co.uk

CCLDS_1.1

Capacity	H	T
50 kN	110	M24 x 2p
100 kN	175	M30 x 2p
250 kN	220	M36 x 3p
500 kN	300	M56 x 4p

mm



Force
LOGIC UK
Manufactured in the UK 



WMR

Weigh Module

500kg to 10tonne

Low Profile

Stainless Steel

Stainless steel low profile weigh module for tank weighing. Includes self aligning top plate, integral lift-off prevention and jacking nuts for installation and replacement of load cell. Accommodates thermal expansion and contraction of the weighed structure.

Rated Capacities ¹	0.5 , 1 , 2.5 , 5 , 10	tonne
Full Scale Output (FSO)	2.0 (±0.25%)	mV/V
Zero Output (ZO)	< ± 1 %	FSO
Bridge Resistance	350 (nominal)	Ω
Excitation	5 to 15	V ac/dc
Non-repeatability	0.05 %	FSO
Accuracy ²	0.25 %	FSO
Compensated temp.	0 to +50	°C
Operating temp.	-10 to +70	°C
Environmental Sealing	IP65	to BS EN60529

Includes **CDC** Series Load Cell

Capacity	A	B	C	D	E
0.5 , 1 , 2.5	114	15	56	12	98
5 , 10	152	20	80	14	134
tonne	mm				

Connections :

5 Metres 4-core Cable ³

- + Supply - Red
- Supply - Blue
- + Signal - Green
- Signal - Yellow
- Overall Screen

Options :

- Instrumentation - Weighing Indicator & Junction Box
- System Calibration

¹ Safe overload 150% Rated Capacity. Ultimate load 300% Rated Capacity.

² Combined error, considering non-linearity & hysteresis as deviation from best straight line, from ZO to FSO.
Correct mounting of the load cell is essential to achieve optimum performance.

³ Calibration void if cable length is altered.

The information provided is intended for product description only.
Specifications are subject to change.
Full product details available on request.

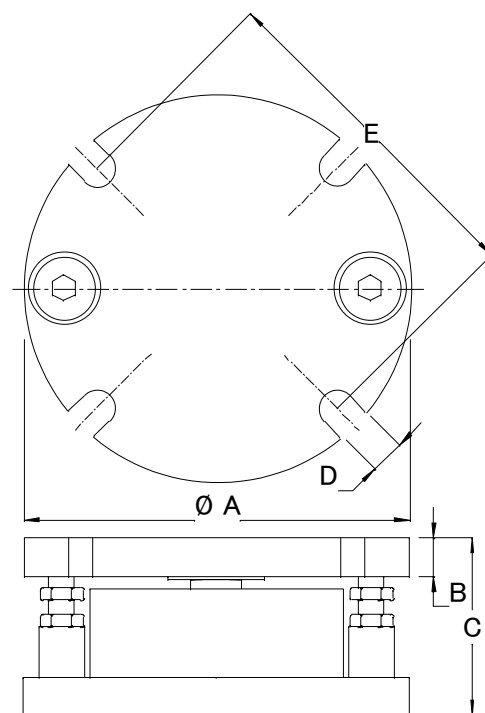
Force Logic UK Ltd

N4 lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK

+44 (0)118 988 8807

info@force-logic.co.uk www.force-logic.co.uk

WMRDS_1.0



Force
LOGIC UK
Manufactured in the UK

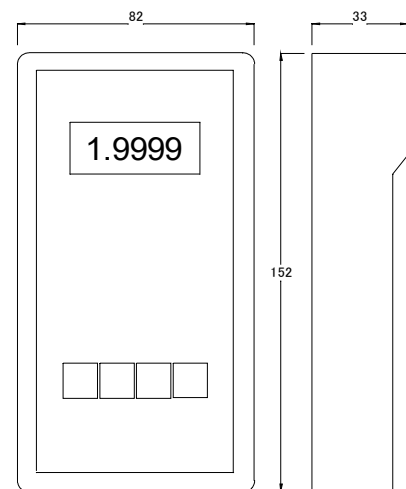


H100

Portable Load Indicator

Battery Powered
Accepts All Load Cell Inputs
Display in kg, Tonnes, lbs, kN
Dual Units
Auto Shut-Off

Display Units	kg, Tonne, lbs, kN
Input Sensitivity	0.2 – 2.5 mV/V
Power Supply	1 x PP3 battery
Excitation	5 Vdc
Max. Display Counts	19999
Accuracy	+/- 0.02 % of range
Environmental Sealing	IP54 (to BS EN60529)
Temp. effect on span	< 30 ppm/°C
Temp. effect on Zero	0.2 μ V/°C



Dimensions in mm

Options:

- Supplied calibrated with any of our load cells
- RS232 output

The information provided is intended for product description only.
Specifications are subject to change.
Full product details available on request.

Force Logic UK Ltd

N4 Lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK
+44 (0)118 988 8807
info@force-logic.co.uk www.force-logic.co.uk

H100DS_1.0

Force
LOGIC UK
Manufactured in the UK 



JNR

Load Cell Indicator

Stainless Steel Enclosure

High Visibility Display

Output Options Available

Wall / Bulkhead Mount

JNR features a stainless steel, splash proof sealed enclosure complete with mounting brackets suitable for industrial weighing applications.

Basic weighing functions: full range zero, preset tare, tare, weigh count, peak.

Power supply options include 110-250VAC, 11-30VDC or internal rechargeable battery.

Output and communication options available: RS232C to printer or computer, 4-20mA or 0-10vdc analogue output, opto-isolated relay output.

Wireless version available with transmitter or wireless load cell (enquire for details).

Power Supply Options	110-250 VAC 11-30 VDC Internal rechargeable battery
Input Range	0.5 to 3mV/V
Load Cell Excitation	5VDC (120mA max.)
Accuracy	±0.01% range
Display	6-digit 18mm LCD or LED
Thermal Stability	2ppm /°C
Dimensions	165 x 110 x 60 mm
Output Options:	
- Digital	RS232C
- Analogue	4-20mA / 0-10V
- Relay (opto-isolated)	1 or 2 rated 100mA @ 24V

Specifications subject to change without notice.

Force Logic UK Ltd
N4 Lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK
+44 (0)118 988 8807
info@force-logic.co.uk www.force-logic.co.uk

Force
LOGIC UK
Manufactured in the UK 



EXL

Load Cell Indicator

Stainless Steel Enclosure

High Visibility Display

Output Options Available

Multiple Input Options

Wall / Bulkhead Mounted

EXL is a versatile and highly configurable indicator. The range of input and output options make it suitable for any industrial weighing or process control application. The usual weighing and batching functions are included as standard including preset tare, recipe formulation, totalising, printing.

Front panel keypad allows for simple data entry and programming and a second alphanumeric display provides simultaneous reading of tare values, running totals and status messages.

2-channel and 4-channel inputs available for display and control of individual load cells and scales, load balancing, centre of gravity calculation and vehicle weighing. Wireless version available with suitable transmitter (enquire for details).

Power Supply Options	110-250 VAC 12-24 VDC
Input Range	0.5 to 3mV/V
Load Cell Excitation	5VDC (up to 16 x 350Ω load cells)
Accuracy	±0.01% range
Displays	6-digit 25mm LED 2 x 20 alphanumeric LCD
Thermal Stability	2ppm /°C
Dimensions	260 x 160 x 65 mm
Output Options:	
- Digital	RS232C
- Analogue	4-20mA
- Relay (opto-isolated)	1 to 16

Specifications subject to change without notice.

Force Logic UK Ltd
N4 Lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK
+44 (0)118 988 8807
info@force-logic.co.uk www.force-logic.co.uk

Force
LOGIC UK
Manufactured in the UK 



INT



INTB

INT

Load Indicator/Controller

Simple menu-free operation

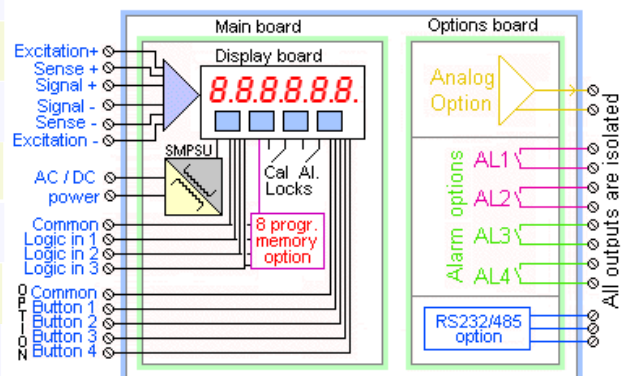
High accuracy

Range of output options

The INT is a cost-effective load indicator / controller, providing local display plus a range of output options, making it suitable for all monitoring and control applications. It can be scaled in all engineering units and is easily configured using the simple menu-free operating system.

Output Options - Analogue	-5 to +5 V , 0 to 10 V , 4 to 20 mA
Output Options - Digital	RS232 , RS485 , DeviceNet , Modbus , Profibus
Output Options - Alarms	2 / 4 alarm relays rated 2A 250Vac

Input Sensitivity	0.5 – 3.5 mV/V
Power Supply	24 Vdc / 240 Vac
Excitation	10 V (120mA max.)
Power Consumption	8 W
Accuracy	+/- 0.05 % of range
Environmental Sealing	IP54 (mounted)
Temp. effect on span	50 ppm/°C
Temp. effect on Zero	20 ppm/°C
Size (meter only)	W96 x H48 x D138 mm



Options :

- Output Options - see above
- Can be supplied calibrated with any of our load cells
- Can be supplied as panel meter, or mounted bench meter

The information provided is intended for product description only. Specifications are subject to change. Full product details available on request.

Force Logic UK Ltd

N4 Lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK
+44 (0)118 988 8807
info@force-logic.co.uk www.force-logic.co.uk

Order Codes :

INT - panel meter only

INTB - mounted bench meter
(all leads & connectors supplied)

Specify output options

Force
LOGIC UK
Manufactured in the UK





FMTX

Wireless Transmitter

Load Cell Transmitter

200M Range

Long Battery Life

Remote on/off

FMTX provides wireless transmission of any load cell signal to our range of wireless weighing indicators/controllers.

Eliminates long cable runs in new installations and allows wireless conversion of existing weighing systems.

Powered by internal batteries or optional external 5VDC source and fully sealed for indoor or outdoor use.

Power Supply	- standard - optional	3 x AAA (1.5V) Battery External 5VDC Supply
Battery Life		Up to 200 hours continuous
Input Range		0.5 to 3 mV/V
Load Cell Excitation		5VDC (100mA max.)
Accuracy		±0.01 % range
Radio Range		Up to 200 M (direct sight)
Radio Frequency		433 MHz
Transmission Rate		500 mS
Dimensions (housing)		140 x 90 x 55 mm
Dimensions (max.)		140 x 200 x 55 mm
Environmental Sealing		IP65

Specifications subject to change without notice.

Force Logic UK Ltd
N4 Lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK
+44 (0)118 988 8807
info@force-logic.co.uk www.force-logic.co.uk

Force
LOGIC UK
Manufactured in the UK 

FMTXDS_1.0



FUSION

Load Cell Indicator

High Visibility 100mm Digits

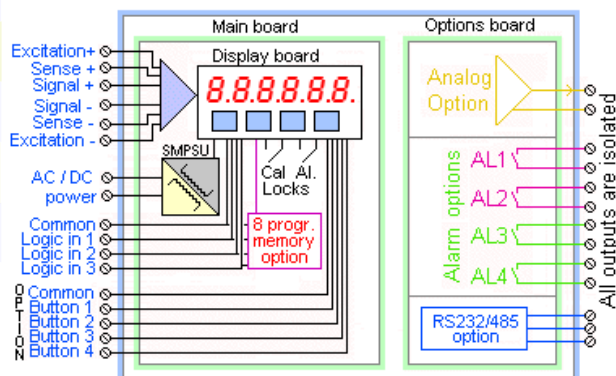
High Accuracy

Suitable For All Load Cells

The FUSION is a large high-visibility load indicator, providing local display plus a range of output options, making it suitable for all monitoring and control applications. It can be scaled in all engineering units and is easily configured using the simple menu-free operating system. Typical applications include: crane load monitoring, factory/warehouse weighing systems, machinery overload protection. Also available with wireless option.

Output Options - Analogue -5 to +5 V , 0 to 10 V , 4 to 20 mA
Output Options - Digital RS232 , RS485 , DeviceNet , Modbus , Profibus

Input Sensitivity	0.5 – 3.5 mV/V
Power Supply	12-24 Vdc/110-240 Vac
Excitation	10 V (120mA max.)
Power Consumption	30VA max.
Accuracy	+/- 0.05 % of range
Environmental Sealing	IP65 (mounted)
Temp. effect on span	50 ppm/°C
Temp. effect on Zero	20 ppm/°C
Size	W453 x H196 x D75 mm



Options :

- Output Options – see above
- Can be supplied calibrated with any of our load cells
- Can be supplied as wireless option with our wireless load cells

The information provided is intended for product description only.
Specifications are subject to change.
Full product details available on request.

Force Logic UK Ltd

N4 Lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK

+44 (0)118 988 8807

info@force-logic.co.uk www.force-logic.co.uk

FUSDS_1.0

Order Codes :
FUSION-AC Mains Supply (100-240V)
FUSION-DC DC Supply (12-24 V)

Specify output options

Force
LOGIC UK

MANUFACTURED IN THE UK



A50



Universal Load Cell Amplifier

IP66 Enclosure

Voltage / Current Process Output

High Stability

A50 is a high stability load cell amplifier, suitable for industrial or laboratory measurement applications. Operating from 12 – 24Vdc supply it can power up to four 350Ω load cells.

Ideal for high resolution systems where a high level signal is required. Available with Voltage or Current output, this unit can be supplied calibrated to any load cell or strain gauge bridge transducer and sealed to IP66 for permanent installation outdoors.

Output	0 -10 V (A50V) 4 - 20 mA (A50C)
Input Sensitivity	0.5 – 4 mV/V
Power Supply	12 - 24 Vdc
Bridge Excitation	10 V (150mA max.)
Power Consumption	1.6 W
Bandwidth	1kHz (-3db)
Zero Adjustment	+/- 1 V (A50V) 4 to 10 mA (A50C)
Span Adjustment	+/- 10 %
Temp. effect on Zero	10 ppm/°C
Size	64 x 58 x 34 mm (External)

Options :

- -10V/+10V output (A50VU)
- Can be supplied calibrated with any of our load cells
- Plug & socket connections

Connections :

- Power & Signal - 3 wire integral cable
- Bridge - 4/6 wire load cells

Order Codes :

A50V - 0-10V Output
A50C - 4-20mA Output

The information provided is intended for product description only.
Specifications are subject to change.
Full product details available on request.

Force Logic UK Ltd

N4 Lambs Farm Business Park
Swallowfield
Berkshire RG7 1PQ
UK
+44 (0)118 988 8807
info@force-logic.co.uk www.force-logic.co.uk

Force
LOGIC UK
Manufactured in the UK 



TLB

Universal Load Cell Amplifier

DIN Rail Mounting
Analogue & Digital Outputs
Logic Relay Outputs
Integral LED Display

A versatile DIN rail mounting load cell amplifier/weight transmitter, providing all common analogue and digital process outputs for PLC or remote display. Easy set-up, with wide input sensitivity range and digital calibration. High stability with high interference immunity. Can be supplied with DIN rail mounting 24Vdc PSU.

Output	0-10V/4-20mA Analogue RS485 Digital
Input Sensitivity	0.5 – 7 mV/V
Power Supply	12 - 24 Vdc ; 5W
Excitation	5 Vdc (120mA max.)
Logic Relay Outputs	115 Vac / 150mA max.
Conversion Rate	300 per second max.
Display Resolution	999999 max.
Output Resolution	16 bit
Thermal Drift	<0.003 % Full Scale /°C
Operating Temp.	-20°C to +60°C
Size	115 x 120 x 25 mm DIN rail mounting

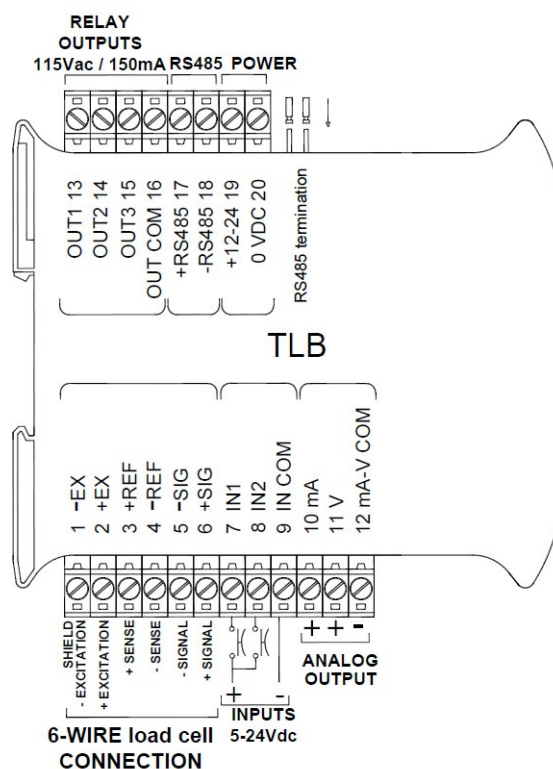
The information provided is intended for product description only. Specifications are subject to change. Full product details available on request.

FORCE LOGIC UK LTD

N4 lambs Farm Business Park
Swallowfield, Berkshire, RG7 1PQ, UK
T: +44 (0)118 988 8807
E: sales@force-logic.co.uk
W: www.force-logic.co.uk

Options :

- DIN rail mounting 24Vdc Power Supply Unit
- Supplied calibrated with any of our load cells



Force

LOGIC UK