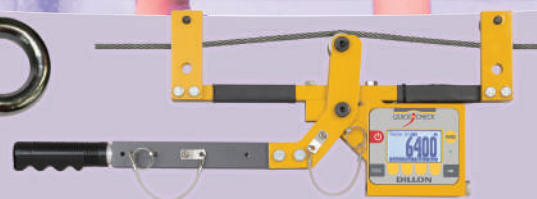




SPECIALISED FORCE
HYDRAULIC TOOLS &
ELECTRICAL CONTRACTORS EQUIPMENT
PTY. LTD.

Dynamometers & Load Cells



www.specialisedforce.com.au



G. DYNAMOMETERS & LOAD CELLS

226–236

DYNAMOMETERS & TRACEABILITY PLATFORM – TRACTEL	226
TRACEABILITY PLATFORM – TRACTEL	227
DYNAMOMETERS – TRACTEL	228-231
DYNAMOMETERS – PIAB	232-233
DYNAMOMETER – ANALOG – HI-TOOL	234
METER – CABLE/WIRE TENSION – DILLON	235
METER – ROPE TENSION – GIGASENSE	236

HANDIFOR ELECTRONIC DYNAMOMETERS

A convenient electronic load indicator including hooks for measuring small weights, quickly and easily.

SPECIFICATIONS

- 5-digit LCD display, 14mm
- Safety factor: at least 4 times work load limit.
- Accuracy: 0.5% of measuring range
- Unites: kg, daN, lbs
- Protection Class: IP40
- Operating Temperature: -10 to +50° C
- In conformity with: CEM2004/108/C
- Tare peak hold (max) functions

Model	W.L.L (kg)	Accuracy	Min. Value	Resolution	Weight (kg)	Product Code
handifor 20	20	0.1	0.1	0.1	0.5	199919
handifor 50	50	0.25	0.2	0.2	0.5	199929
handifor 100	100	0.5	0.2	0.2	0.6	199939
handifor 200	200	1	0.5	0.5	0.9	199949



TRACEABILITY PLATFORM- INSTANT ACCESS TO KEY PRODUCT INFORMATION

Introducing Tractel 's new product information and traceability platform – an exciting new tool giving you instant access to a range of technical information related to your product.

Simply use a QR code reader to scan the identification label on the product or packaging to gain access to the information you need; direct to your phone, tablet or computer.



Packaging Product Label
(on packaging)



Product Label
(on product)



EAN Code Label
(on packaging)

INSTANT ACCESS TO

- **Product Identification information** (batch & serial number, manufacturing date etc).
- **Product Data** (available to download to your device):
 - Certificate of Conformity
 - User manual
 - Technical data sheet
 - Declaration of conformity
- **Traceability system**
 - TRACTEL service information : summary of service performed by TRACTEL
 - Possibility to register & trace the key life events of the equipment: date of the first use, attribution of the equipment to a user, periodic inspection, maintenance operation, disposal, etc...



TRACEABILITY PLATFORM- HOW TO USE IT?



1. Download a free QR code scanner on your smartphone, tablet or computer



Example: QR Code Reader for Android

2. Open the QR Code Scanner app and scan the code on the packaging or product



You will be redirected to a special Tractel website with a webpage dedicated to your product

3. Find all the relevant information of the product you scanned



Available downloads in PDF format:

- Identification information of the product: batch and serial number, manufacturing date
- Certificate of conformity (Notified body product certificate)
- User manual
- Technical data sheet
- Declaration of conformity

4. Register to have immediate access to advanced functionalities.



- Details to create an account:
 - Name
 - Email Address
- Create a password to secure your account.

5. Enter and track the key life information of your product.



- Date of the first use
- Attribution of the equipment to a user
- Periodic inspection
- Maintenance operation
- Disposal

DYNAFOR EXPERT WIRELESS DIGITAL DYNAMOMETERS



The dynafor™ Expert is a wireless digital dynamometer, used in high precision applications. With its unique design, it allows to reach extreme precision.

Based on the principle of strain gauge extension measurement, the sensor generates an electrical signal which is processed and analyzed by a built-in microprocessor, which transmits the information to a wireless accessory.

Equipped with radio 2.4 GHz (RF) and Bluetooth (BLE) chipsets available all time, the dynafor™ Expert provides a wireless range of:

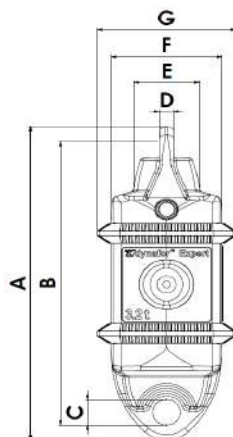
- 400 m to Tractel® dynafor™ HHD, large displays AL128 and software accessories
- 30 m to any smartphone equipped with our free dynafor™ app on iOS or Android

APPLICATIONS

- Overhead Weighing
- Force measurement testing
- Towing applications
- Safety and lifting applications
- Load balancing
- Research & Development Projects
- Load Monitoring on lifting equipments

ACCESSORIES

- dynafor™ HHD for a remote display with extended functionalities
- Wireless dynafor™ AL128 for a high visibility display
- Loader Software to unload data saved into the HHD
- Monitoring Software, in use with HHD for real-time monitoring
- dynafor™ application available on any Android and iOS device
- dynafor™ DMU for threshold management
- Standard bow and clevis shackles



Model No.		Expert 0.5t	Expert 1t	Expert 2T	Expert 3.2t	Expert 5t	Expert 6.3t	Expert 10t
Maximum Capacity WLL	Tonne	0.5	1	2	3.2	5	6.3	10
Test Load	Tonne	0.75	1.5	3	4.8	7.5	9.6	15
Safety Coefficient		Minimum 4						
Precision	%	0.1% at 21° C full scale (IP 67= 0.2%)						
	kg	0.5	1	2	3.2	5	6.3	10
Resolution	kg	0.1	0.2	0.5	0.5	1	1	2
Max. Display		110% of WLL						
Conversion Factor		1 kg = 0.98083 daN = 2.20462 lbs						
Autonomy		From 300 to 1000h depending on usage						
Batteries		3 x AA						
Tool Weight	kg		2.3			3.35		6.45
RF Technology		2.4 GHz proprietary, range up to 400 m (open field)						
Bluetooth Technology		BLE 4.0 range up to 30 m (open field)						
Operating Temperature		-20°C to +50°C						
Sample Rate		4 Hz, up to 32 Hz in "Peak Hold"						
IP Protection		I.P 64 (I.P 67 in option)						
Sensor Head Material		Steel						
Sensor Body Material		Aluminium						Steel
Dimensions mm	A	248	248	248	248	290	290	341
	B	224	224	224	224	254	254	296
	C	Ø20	Ø20	Ø20	Ø20	Ø28	Ø28	Ø40
	D	10	10	10	10	16	16	20
	E	24	24	24	24	35	35	54
	F	80	80	80	80	80	80	80
	G	100	100	100	100	100	100	100

DYNAFOR™ PRO WIRELESS DIGITAL DYNAMOMETERS



The dynafor™ Pro is a versatile and robust wireless digital dynamometer, used in various weighing and force measurement applications.

Based on the principle of strain gauge extension measurement, the sensor generates an electrical signal which is processed and analyzed by a built-in microprocessor, which transmits the information to a wireless accessory.

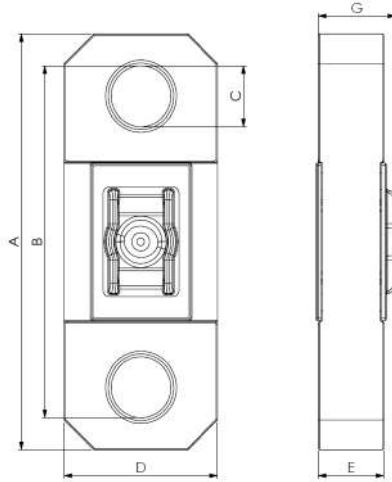
Equipped with radio 2.4 GHz (RF) and Bluetooth (BLE) chipsets, the dynafor™ Pro provides a wireless range of accessories.

APPLICATIONS

- Overhead Weighing
- Force measurement testing
- Water Bag Load Testing
- Safety and lifting applications
- Heavylift Projects
- Towing Application
- Research & Development Projects
- Load Monitoring on lifting equipments

ACCESSORIES

- dynafor™ HHD for a remote display with extended functionalities
- Wireless dynafor™ AL128 for a high visibility display
- Loader Software to unload data saved into the HHD
- Monitoring Software, in use with HHD for real-time monitoring
- dynafor™ app available on any Android and iOS device
- dynafor™ DMU for threshold management
- Standard bow shackle and swivel hooks



Model No.		Pro 1t	Pro 3.2t	Pro 6.5t	Pro 15t	Pro 25t	Pro 50t	Pro 100t	Pro 250t
Maximum Capacity WLL	Tonne	1	3.2	6.5	15	25	50	100	250
Minimum Load		10% of WLL							
Test Load	Tonne	1.5	4.8	9.75	22.5	37.5	75	150	375
Safety Coefficient		Minimum 4							
Precision	%	0.2% at 21°C full scale							
	kg	2	6.4	13	30	50	100	200	500
Resolution	kg	0.2	0.5	1	5	10	20	50	100
Max. Display		110% of WLL							
Conversion Factor		1 kg = 0.98083 daN = 2.20462 lbs							
Autonomy		From 300 to 1000h depending on usage							
Batteries		3 x AA							
Weight	kg	0.70	0.86	1.60	3.66	5.33	11.45	27.48	97.98
Weight incl Packaging	kg	1.41	2.32	3.58	5.38	7.05	16.28	45.57	120.07
RF Technology		2,4 GHz proprietary, range up to 400 m in open field							
Bluetooth Technology		BLE 4.0 range up to 30 m in open field							
Operating Temperature		-20°C to +50°C							
Sample Rate		4 Hz, up to 32 Hz in "Peak Hold Mode"							
IP Protection		I.P 64 (I.P 67 in option)							
Sensor Material		Aluminium				HR Aluminium			
Dimensions mm	A	216	216	248	319	357	446	559	797
	B	192.8	193.8	214.1	269.8	301.6	371.2	454.2	609.1
	C	21.5	21.5	28.8	46.5	57.4	78.8	107.6	162.1
	D	79	92	113	119	132	152	196	329
	E	23	23	32	51	61	90	129	180
	G	39	39	39	62	65	91	133.5	Unrelevant

DYNAFOR™ HHD WIRELESS HANDHELD DISPLAY



The dynafor™ HHD is an universal and ergonomic wireless handheld display, used in combination with our Tractel® products.

Equipped with radio 2.4 GHz (RF) chipset, the dynafor™ HHD provides a wireless connection with Tractel® dynafor™ Pro, Expert & Transmitter WL. Up to 4 loadcells can be connected simultaneously, with a range up to 400 m.

The dynafor™ HHD is the perfect professional tool. With its ergonomic design and intuitive use, the dynafor™ HHD is the best remote display available in the market.

From basic to advanced features, the dynafor™ HHD provides a complete professional solution for every need:

Basic & necessary features:

- On/ Off
- Units change (kN/ daN / lbs / t / ton (US) / kg)
- Peak hold mode

Advanced features:

- Single and multi-sensors reading with sum function
- Manual single & sum data recording, up to 100 measures
- Can be used in combination with dynafor™ DMU and AL128
- Up to 5 trip-point setting, with over-limit time recording and incorporated buzzer
- Settable filtering and zeroing
- Can be connected to a PC and used with our softwares

Ergonomic features:

- Settable backlight
- Coloured and intuitive interface, available in several settable languages
- Robust protection case provided
- Rechargeable battery

ACCESSORIES AND REQUIREMENTS

The dynafor™ HHD shall be connected to:

- Tractel® dynamometers dynafor™ Pro and Expert
- dynafor™ Transmitter WL

The dynafor™ HHD can also be connected to a PC in order to:

- Unload and export the data saved in the dynafor™ HHD with our Loader software

- Use the Monitoring Software for a real time-monitoring and a connection up to 8 loadcells

The smartphone Tractel® dynafor™ application can be used simultaneously with the dynafor™ HHD.



Model No.		HHD	Protection Case
Number of sensors inputs		From 1 to 4 sensors (single, multiple and sum reading)	
Digits height	mm	13 mm on single reading	
RF Technology		2,4 GHz proprietary, range up to 400 m (open field)	
Conversion factor		1 kg = 0,98083 daN = 2,20462 lbs	
Power supply		Integrated rechargeable battery 3.7V	
Weight	kg	0.45	
Operating Temperature		-20°C to +50°C	
IP Protection		IP65	
Material		ABS V0	Plastic
Dimensions	Length (mm)	149.3	152.5
	Width (mm)	98.3	105
	Depth (mm)	26.6	40

Model HHD - with Dyno (if ordered with Dynamometers)

Model HHD - Separate (if ordered without Dynamometers)

DYNAFOR™ INDUSTRIAL DIGITAL DYNAMOMETER

The dynafor™ Industrial is a versatile and robust digital dynamometer, used in various weighing and force measurement applications.

Based on the principle of strain gauge extension measurement, the sensor generates an electrical signal which is processed and analyzed by a built-in microprocessor, which transmits the information to the integrated display.

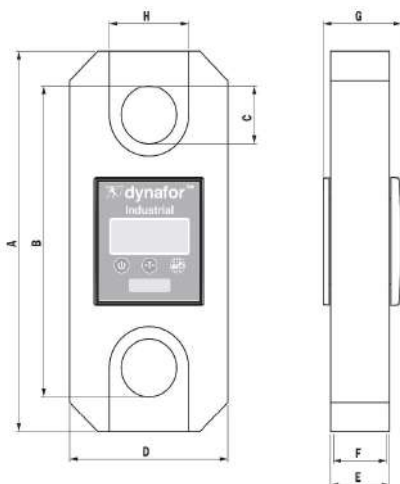
Compatible with standard bow shackles, the dynafor™ Industrial ensures a perfect implementation in your applications.

APPLICATIONS

- Overhead Weighing
- Force measurement testing
- Towing Application
- Safety and lifting applications

FUNCTIONALITIES

- On/Off
- Tare
- Peak hold
- Units change (kg, daN, lbs)
- Automatic zeroing
- Automatic stop without load or variation (20 min). Removal of automatic stop available as option



Letter	Designation
A	Strain value
B	Measurement sign
C	NET indicator (net value of the measurement)
D	GROSS indicator (gross value of measurement)
E	Peak Load Indicator
F	Battery Indicator
G	lbs unit indicator
H	kg Unit indicator
I	daN unit indicator
J	Decimal point

Model No.		Industrial 1t	Pro 3.2t	Pro 6.5t	Pro 15t	Pro 25t
Maximum Capacity WLL	Tonne	1	3.2	6.3	12.5	20
Safety Coefficient				Minimum 4		
Minimum Load				10% of WLL		
Precision	+ / - %			0.3% at 21°C full scale		
	+ / - kg	3	9.6	18.9	37.5	60
Resolution	kg	1	2	5	10	20
Sample Rate	Hz			3 Hz – 32 Hz in "Peak Hold Mode"		
Maximum Display	%			110% of WLL		
Digits Height	mm			18		
Units				kg / daN / lbs		
Coverision Factor				1kg = 0.98083 daN = 2.20462 lbs		
Autonomy				250		
Net Weight	kg	0.75	0.93	1.44	3.22	5.1
IP Protection				IP 64		
Working Temperature	°C			-20°C to +50°C		
Sensor Material				Aluminium		
Batteries				2x AAA		
Dimensions (mm)	A	191	191	236	277	342
	B	164	164	184	226	264
	C	22	22	28	42	54
	D	83.5	99.5	121.5	120.5	147
	E	22	22	22	45	45
	F	19.8	19.8	19.8	40.5	40.5
	G	36.4	36.4	36.4	59.4	59.4
	H	37.6	44.8	54.7	60	73.5

PIAB DYNAMOMETERS (MADE IN SWEDEN)

The PIAB Dynamometer is excellent for measurement and control of tension forces, where accuracy, reliability and safety in all conditions is required.

The PIAB Dynamometer is extremely robust and reliable instrument and is an all-weather instrument.

TECHNICAL DATA

ACCURACY: $\pm 0.6\%$ of the max. capacity

WORKING TEMPERATURE: Max. $+60^{\circ}\text{C}$

TAREING: The dynamometer can be tarred to approx. 10% of the full scale.

To obtain best accuracy the dynamometer should be supplied calibrated for a known tare.

SCALE: White lacquered with black graduation.

PROTECTION CLASS: IP 67, IEC 529 NEMA 4X

Range of Application

The PIAB Dynamometer is an all-weather instrument, equally suitable for use in the laboratory as out in the field for weighing and measuring mechanical forces.

Function

The pull rod movement operates the scale drum through a square thread stem.

The power-absorbing element consists of specially made Belleville type spring washers, designed to be entirely free from wear. The spring washers cannot be overloaded.

Safety

Safety factor 5:1, guaranteed to withstand a load of 5 times full scale reading before rupture.

The resistance to rupture is tested by the National Swedish Institute for Materials Testing.

The PIAB Dynamometer may be overloaded by 100% without impairing the accuracy.

The PIAB Dynamometers, types M-G, have drop-forged steel eye brackets (SIS 2174, St 52-3N acc. to DIN 17100, 50 D acc. to BS 4360); giving a guaranteed impact resistance to -20°C .

The O-ring of the pull rod is protected by a neoprene rubber membrane.

On instantaneous unloading, e.g. breaking test, the return movement of the pull rod is retarded by a specially made spring washer. The PIAB Dynamometer is approved by the National Board of Occupational Safety and Health for integral connection in the carrying system of a lifting device and for weighing of test loads in connection with inspection.

PIAB



Dynamometer for remote reading

The PIAB Dynamometer used for remote reading is supplied with a built-in precision potentiometer. The potentiometer is directly connected to the scale mechanism of the PIAB instrument.

The electrical resistance of the potentiometer varies in proportion to the load on the dynamometer.

The resistance is indicated on a receiving instrument, calibrated individually and marked with the same serial number as the dynamometer.

The electrical connections are made on a connection block in a surface mounted connection box.

Contact function

The PIAB Dynamometer can be equipped with a built-on adjustable Switch Head. Using a Microswitch, which is directly influenced by the pull rod, the PIAB Dynamometer gives an electrical contact function at a preset value. For further technical specifications please refer to PIAB Info 9116-1 PIAB Switch Head Dynamometer.

Protection against corrosion

The PIAB Dynamometer is fully pressure tight and each instrument is pressure tested.

The external surfaces are zinc plated with clear chromate passivation.

If the PIAB Dynamometer is to be used in a very corrosive atmosphere, it can be polyester lacquered.

APPLICATIONS FOR THE PIAB DYNAMOMETER



In line construction it is important to control the installed tension of conductors according to type and conditions. For field work light and robust equipment is especially important. The PIAB Dynamometers are used for this duty all over the world.



Obligatory standards of control for occupational safety and health require that safety ropes and belts are regularly and properly checked.



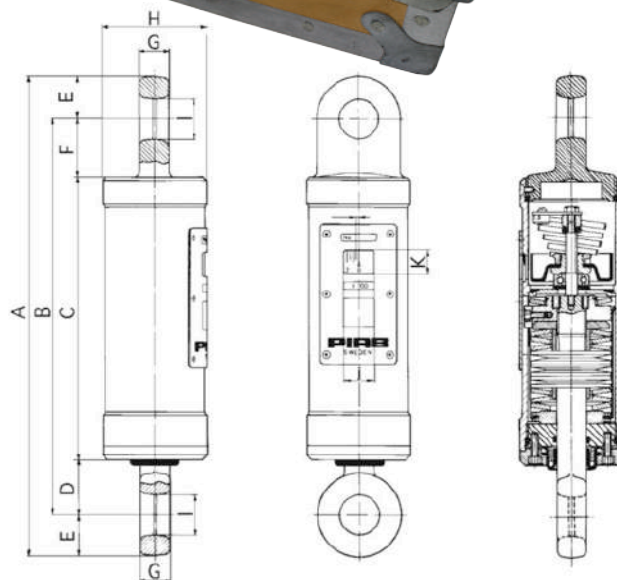
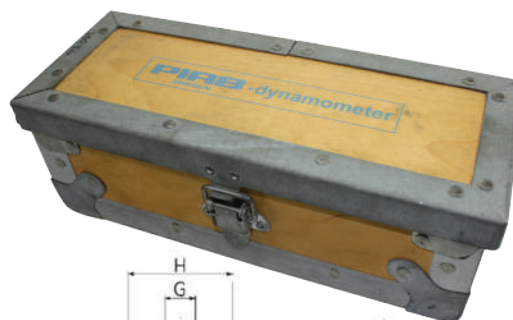
This electrical overhead traveling crane is protected against overload by a PIAB Dynamometer in the hook line anchorage, giving the crane operator the actual load on the hook together with overload warnings and power shunt.

PIAB DYNAMOMETER FUNCTION

PIAB

The pull rod movement operates the scale drum through a square thread stem. The power-absorbing element consists of specially made Belleville type spring washers, so designed as to be entirely free from wear. The spring washers cannot be overloaded. The PIAB Dynamometer can be overloaded with 100% without affecting the accuracy.

- Can temporarily be overloaded by 100% without affecting the accuracy.
- Fully pressure tight, and each instrument is pressure tested.
- The PIAB Dynamometer can be equipped for remote reading or contact functions (micro switches).
- Available with polyester lacquering for use in very corrosive environment (optional).



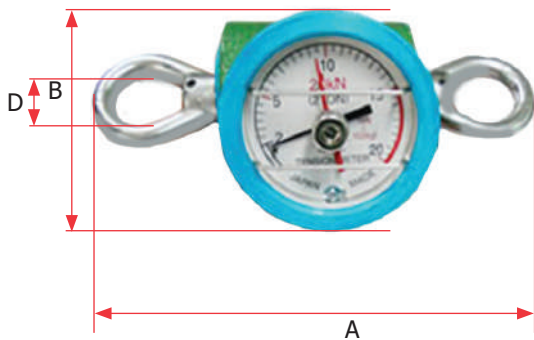
Model No.	TYPE	Capacity	Graduations		Weight	Measurements in mm																						
		kg/N	1	Mm	Kg	A	B	C	D	E	F	G	H	I	J x K													
300015	K	250kg	5	2.2	1.9	266	230	165	42	18	23	20	50	17	24 x 20													
300016	NK	2,500N	50N																									
300020	A	500kg	10																									
300021	NA	5,000N	100N																									
300025	B	1,000kg	20	2	1.6	2.3	292	256	191	42	18	23	20	50	17													
300026	NB	10kN	200N																									
300230	B x 1.5	1,500kg	50	1.6	2.3	292	256	191	42	18	23	20	50	17														
300231	NB x 1.5	15kN	250N																									
300030	M	2,000kg	25	2.3	7.8	395	327	234	45	34	48	25	86	33	26 x 20													
300031	NM	20kN	500N																									
300035	O	3,000kg	50	2.5	15	413	329	230	45	42	55	30	122	40														
300036	NO	30kN	500N																									
300040	Q	5,000kg	50	2.5											26.5	495	385	260	60	55	65	45	149	56				
300041	NQ	50kN	500N																									
300045	S	10,000kg	100	3.5	78	675	505	300	102	85	103	70	228	81														
300046	SQ	100kN	1kN																									
300050	U	20,000kg	200	4.2											115	831	631	387	123	100	121	95	231	115				
300051	NU	200kN	2kN																									
300055	G	25,000kg	200		2.7	250	2.5kN	2.7	115	831	631	387	123	100											121	95	231	115
300056	NG	250kN	2.5kN																									
300060	E	50,000kg	250	2.7	115										831	631	387	123	100	121	95	231	115					
300061	NE	500kN	2.5kN																									

DYNAMOMETERS AND LOAD CELLS (MADE IN JAPAN)

HI-TOOL CO., LTD

FEATURES

- Compact, lightweight, rugged construction.
- Designed for line work.
- Graduated in kN (1 kilo newton "kN" = 102 kg force).
- Accuracy +/- 3% full scale.
- Both pulling eyes rotate 360°.
- Optional maximum reading indicator pointer kit available for easy installation.
- Optional easily installed screw-on face with twin steel protective bars also available.
- Each tool is serial numbered and supplied in a heavy duty fabric case with calibration certificate.



Model No.	Capacity (kN)	Capacity (Tonne)	Graduation (kN)	A (mm)	B - Body Ø (mm)	C (mm)	D (mm)	Weight (kg)
TM-5 COMPLETE*	5	0.5	0.1	160	75	90	20	0.9
TM-10 COMPLETE*	10	1.0	0.2	190	75	90	25	1.0
TM-20 COMPLETE*	20	2.0	0.5	190	75	90	25	1.1
TM-30 COMPLETE*	30	3.0	0.5	240	75	95	35	1.9
TM-50 COMPLETE*	50	5.0	1.0	250	90	120	35	2.6
TM-100 COMPLETE*	100	10.0	2.0	350	110	140	50	6.0

*SUPPLIED WITH PROTECTION BARS & MAX LOAD INDICATOR

SPARE PARTS



GLASS PROTECTION BARS

Model No. TM5/30 BARS

Suits TM-5 to TM-30 Dynamometers

Model No. TM50/100 BARS

Suits TM-50 to TM-100 Dynamometers



MAXIMUM LOAD INDICATOR

Model No. TM5/30 POINTER

Suits TM-5 to TM-30 Dynamometers

Model No. TM50/100 POINTER

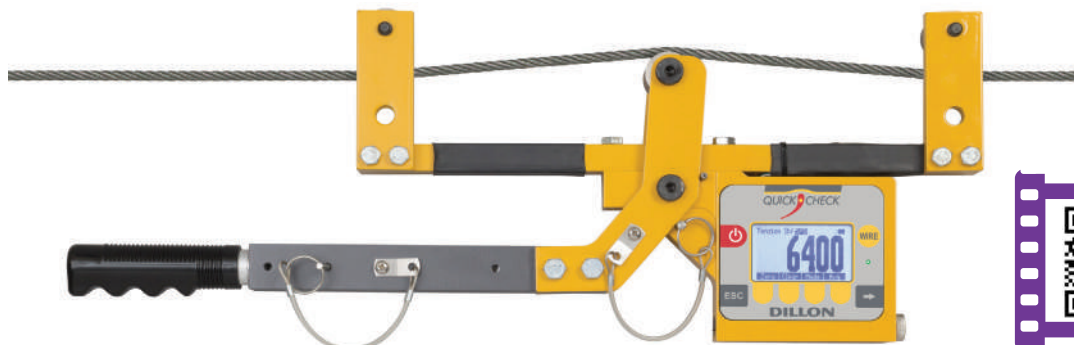
Suits TM-50 to TM-100 Dynamometers

QUICK CHECK "RED" CABLE/WIRE TENSION METER

DILLON

CHECK YOUR CABLE/WIRE TENSION IN SECONDS!

The Dillon Quick-Check can be placed on a cable, measure the tension and be removed in seconds! There are no complex lookup tables and no conversion charts. The operator can quickly select from 20 different wire sizes and types stored in Quick-Check's memory. The Check-Tensioning mode graphically displays the current and target tensions for extremely quick setting of line tension.



Broad Application

The Quick-Check can be employed in many industries to ensure proper tensioning. Typical applications include tower and stack guy wires, pre-tensioned cable barriers, bridges, elevators, winch rope, prestressed concrete, aircraft cables, overhead railway transit wires, fall arrest systems, utilities and much, much more.

FEATURES

- Accommodates a wide range of wire sizes and styles
- Telescoping handle length facilitates easy placement on cable
- Built-in averaging saves time and eliminates errors
- Stores calibrations for up to 20 unique wire sizes and types
- Stores wire rope reading and data can be exported (RS-232 port)
- Built-in temperature sensor with patented automatic tension adjustment
- Sheaves with bearings eliminate friction and provide the best accuracy
- Easy-to-read backlit display with full-text prompts and easy to use soft key interface
- Uses standard AA batteries - Up to 250hrs (Tested with back-light off)
- Time saving check-tensioning mode
- Portable and rugged – designed for outdoor use
- Carry case included



Please contact Specialised Force to discuss your requirements - units programmed specifically to order.

SPECIFICATIONS OF UNIT

Model No.	Tension Capability (kN/kg)	Wire Size (mm)	Accuracy* (±) %	No. of Calibrations	Temp Range °C	Sheave Range (mm) ¹	Re-Calibration	Size (cm)	Wt (kg)
AWT05-508112	10/1000	4.76-25.4	3-5	Up to 20 Independent	-20 to 70	<12.7	24 Months, Sooner with Frequent Use	25x59x8	5
AWT05-508111	45/4500								
36328-0017MTS (Included)		Carry Case - Medium Duty, Die Cut Density Foam						70x41x20	1.5

* ±3% instrument capacity (calibrated to specific wire size & type, ±5% with same wire diameter as calibrated but different wire type).

¹ Sheave accommodates wire size 12.7mm smaller.

Model No.	Sheave Code	Accommodates Wire Diameters (mm)
36309-0085	L	4.75-6.5
36309-0044*	P	4.75-12.7
36309-0010	S	6.5-19.0
36309-0101	T	12.7-25.4

NOTE: The first wire calibration is included, all others are charged, with pricing reduced the more you order (In Multiples of: 2-5, 6-10 & 11-15).



* "P" Sheave included. Additional sheaves to be ordered according to your cable/wire size

DISPLAY RESOLUTION

10kN/1000kgf Quick-Check Instrument

Model No.	Displayed Resolution Setting		
	Low	Medium	High
AWT05-508112			
Kilogram-Force (kgf)	5	2	1
Newton (N)	50	20	10

45kN/4500kgf Quick-Check Instrument

Model No.	Displayed Resolution Setting		
	Low	Medium	High
AWT05-508111			
Kilogram-Force (kgf)	20	10	5
Newton (N)	200	100	50

RTM - ROPE TENSION METER

The RTM can be used in applications where accurate measurement in pre-loaded wire ropes is required. Such applications can be stay ropes, suspension ropes, catenary ropes etc. The RTM is applied direct to the rope and the measured tension value is presented digitally.

RANGE OF APPLICATION

The RTM was designed to swiftly and accurately measure the tension in fixed or stationary ropes or cables i.e. guy wires for masts and/or towers or other guyed constructions. The RTM will also be very useful in determining the tension in overhead suspension ropes for railways catenary's. The RTM can be used to measure tension forces up to 20 metric ton and for wire ropes with a diameter of up to 38 mm. Thanks to the use of microprocessor technology the RTM can be calibrated on up to 10 different wire rope dimensions/types. The digital read out display will clearly show the tension of the wire rope selected. No calibration tables are required.

FUNCTION

The RTM is very simple and handy to use. Simply hold and "clip" it to the rope to be tested and use the large hand screw to deflect the rope to a fixed angle. The resultant force will then affect the load cell and measure the tension in the wire rope. The resultant signal is digitally processed and displayed in a graduation selected and pre-programmed. The RTM can be graduated in kN, klb or in metric ton.

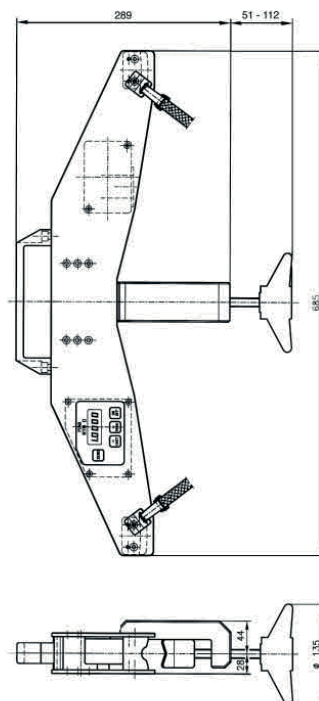
SAFETY

The RTM is a delicate testing instrument for swift, handy and accurate testing of pre-tensioned stationary ropes. Thanks to the design of the instrument it can temporarily be overloaded with 100% of its nominal capacity without affecting the accuracy of the instrument. Tempered outer rope supports and centre clamping jaw give the instrument a long service life with accurate measurements. The RTM is delivered in a robust and light weight transport case (760 x 400 x 170 mm) for easy handling and protection of the instrument.

SPECIFICATIONS

Model No	RTM
Capacity (Measurement Range)	2 – 20 ton
Rope OD	6 – 38mm
Numbers of Ropes to be Stored	Up to 10 (factory programmed)*
Accuracy	2 – 6% of max. capacity (Dependant on wire rope type and characteristics)
Display	Digits 12mm, LCD, 0-19999
Battery	9V Standard, 6LR61 or equivalent
Operating Time	25 Hours
Material	Corrosion and weather resistant, side plates anodised aluminium
Dimensions	135mm x 380mm x 685mm
Weight	6.2kg
Temperature Range	-20 to +60°C
Protection Class	Conforms to class IP 65 according to IEC 529. NEMA 13.

*1st Rope Calibration Free



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