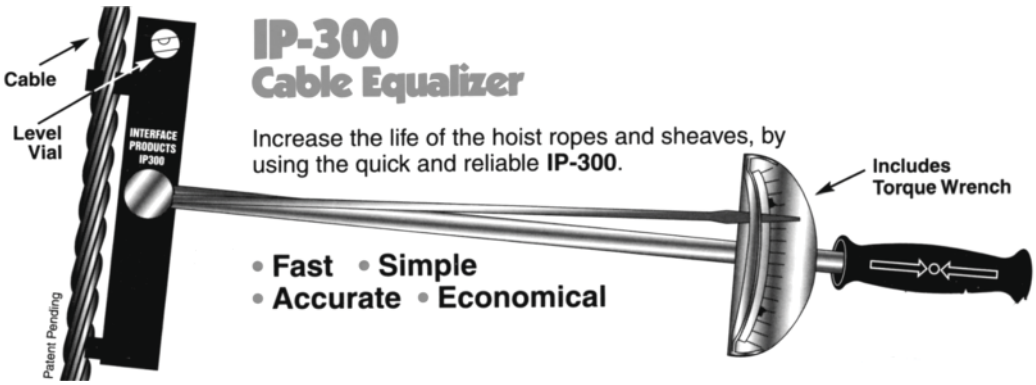
Tensionometer

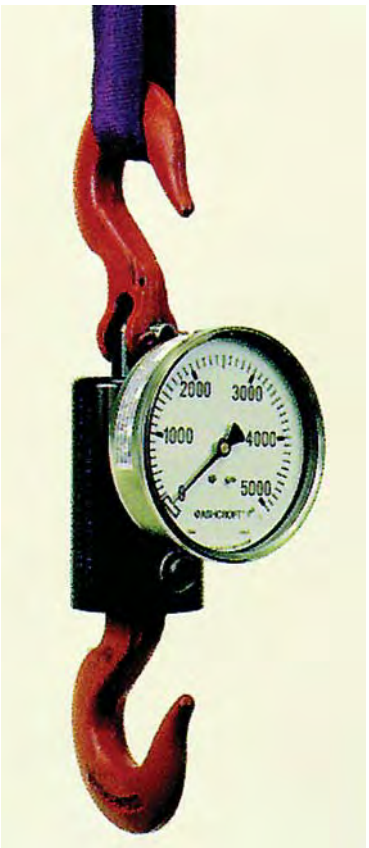
- Measures the relative tension in ropes
- Allows adjustment to equal tension
- Eliminates unequal sheave groove wear, slippage, and vibration
- Lengthens service life



Dynamometer

- Used to measure governor pull-through tension or empty car weight
- Accuracy at an affordable price (within 2%)
- Choice of 2,000 lb or 5,000 lb gauge
- Solid all-metal construction
- Made in the U.S.A.

Model #	Range
LM2-0900	0 - 900 kg
LM2-2000	0 - 2000 lb
LM2-2200	0 - 2200 kg
LM2-5000	0 - 5000 lb



Dynaline Tensionometer

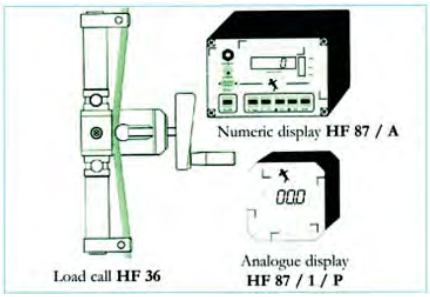
The **Dynaline Tensionometer** electronic load cell devices are designed specifically for measuring forces in tensioned wire ropes. An on-board microprocessor corrects the force information to the specific wire rope specification. The standard database will store up to seven different diameter/ construction wire rope specifications. The unit is powered by 3 AA Alkaline batteries. The Dynaline can be used on both vertically and horizontally pretensioned ropes.

Model	Wire Rope Diameter	Capacity	Length	Weight
HF 36/1	3/16" to 1/2" (4 to 13 mm)	5.5 tons (50 kN)	14.6" (370 mm)	4.4 lb (2 kg)
HF 36/2	3/8" to 1-1/4" (9 to 28 mm)	22 tons (200 kN)	19.7" (500 mm)	8.8 lb (4 kg)
HF 36/3	7/8" to 1-3/4" (20 to 44 mm)	40 tons (365 kN)	31.5 in (800 mm)	43 lb (19.5 kg)
HF 87/1/p	-	-	-	2.2 lb (1 kg)
HF 87/A	-	-	-	0.66 lb (0.3 kg)

Dynarope Tensionometer

The **Dynarope Tensionometer** has been designed for measuring forces in pretensioned wire rope that cannot be dismantled and for which tension must be known or confirmed. It fits directly onto the tensioned wire rope and is simply held in position by turning a handle. This device is comprised of a load cell with strain gauges and a display driven by a microprocessor. Display of force measured by the load cell takes into account the parameters you enter; such as the diameter, composition, and structure of the rope.

Quick Fitting and Removal Operations: For repetitive operations, a simple mechanical lever replaces the threaded handle.



The Dynarope can be programmed to accuracy within a margin of +/- 1%.

NUMERIC DISPLAY
Digital Technology allows the Dynarope to contain an extremely large database of rope types and sizes. When in "special" operation, the user may create his/her own database as a function of specific parameters.

ANALOG DISPLAY
Simple and economical model for repetitive measuring operations and/or for balancing effort in identical wire ropes.

Dynarope Tensionmeter

Model	Function	Wire Rope Diameter	Capacities	Length	Width
HF 36/1	Cells	3/16" to 1/2" (4 to 13 mm)	5.5 tons (50 kN)	14.6 in (370 mm)	4.4 lb (2 kg)
HF 36/2	Cells	3/8" to 1-1/4" (9 to 28 mm)	22 tons (200 kN)	19.7 in (500 mm)	8.8 lb (4 kg)
HF 36/3	Cells	7/8" to 1-3/4" (20 to 44 mm)	40 tons (365 kN)	31.5 in (800 mm)	43 lb (19.5 kg)
HF 87/1/P	Monitor	-	-	-	2.2 lb (1 kg)
HF 87/A	Monitor	-	-	-	0.66 lb (0.3 kg)