

**APPLICATION :**

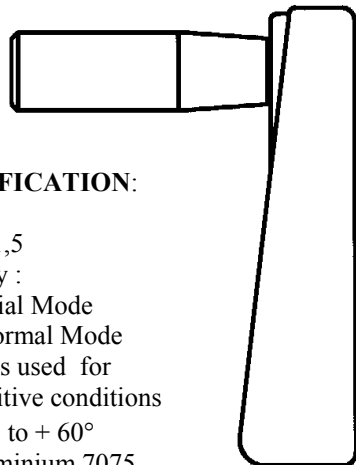
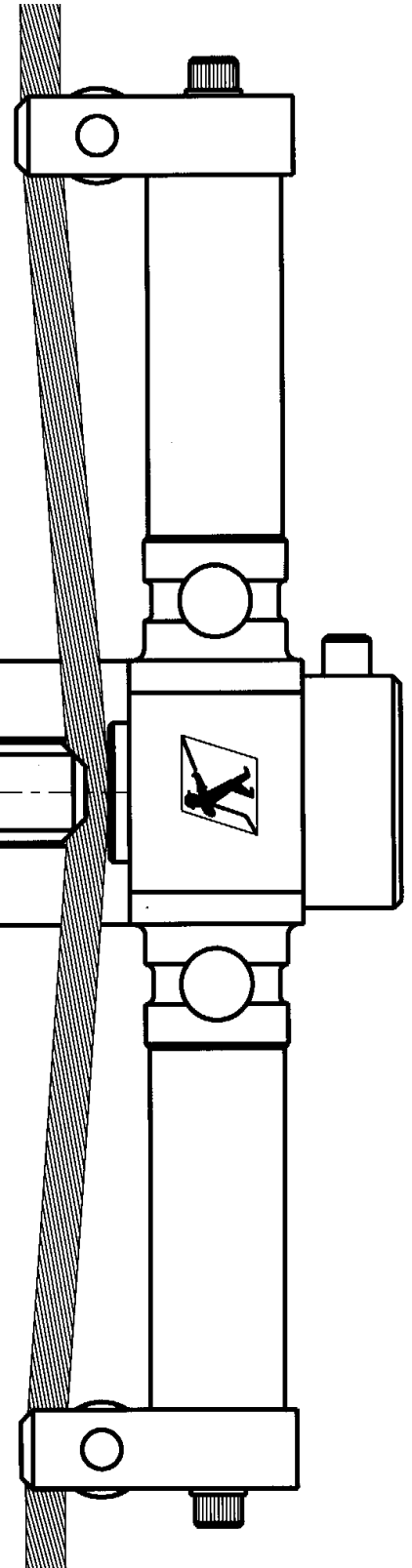
This electronic load cell has been designed to measure the effort applied in a wire rope . The resulting signal is used in a digital monitor controlled by a microprocessor, which corrects the force information according to the wire rope specification.

An analogue monitor which gives non-adjusted information of the measurements is also available.

**OPERATING PRINCIPLE :**

The Dynarope uses strain gauges to measure the movement of the load cell. It gives an electrical signal relative to the load applied.

The deviation of the wire rope around the load cell produces forces proportional to the forces transmitted through the wire rope.



**TECHNICAL SPECIFICATION:**

Overload Coefficient : 1,5

Digital Display accuracy :

+/- 1% in Special Mode

+/- 2,5 % in Normal Mode

The Analogue display is used for control in specific repetitive conditions

Temperature : from - 20° to + 60°

Material : Anodised Aluminium 7075

IP protection : IP 64

Supply : low voltage from the display

Output Signal : frequency to the digital display

OR mv / v to the analogue display.

**IDENTIFICATION :**

Model	Code	Wire rope	Capacity	Weight	Dim. mm
HF 36/1	29808	5 to 13	5 t	2 kg	370 x 180 x 80
HF 36/2	29818	10 to 28	20 t	4 kg	500 x 280 x 90
HF 36/3	36008	20 to 44	40 t	8 kg	700 x 310 x 100

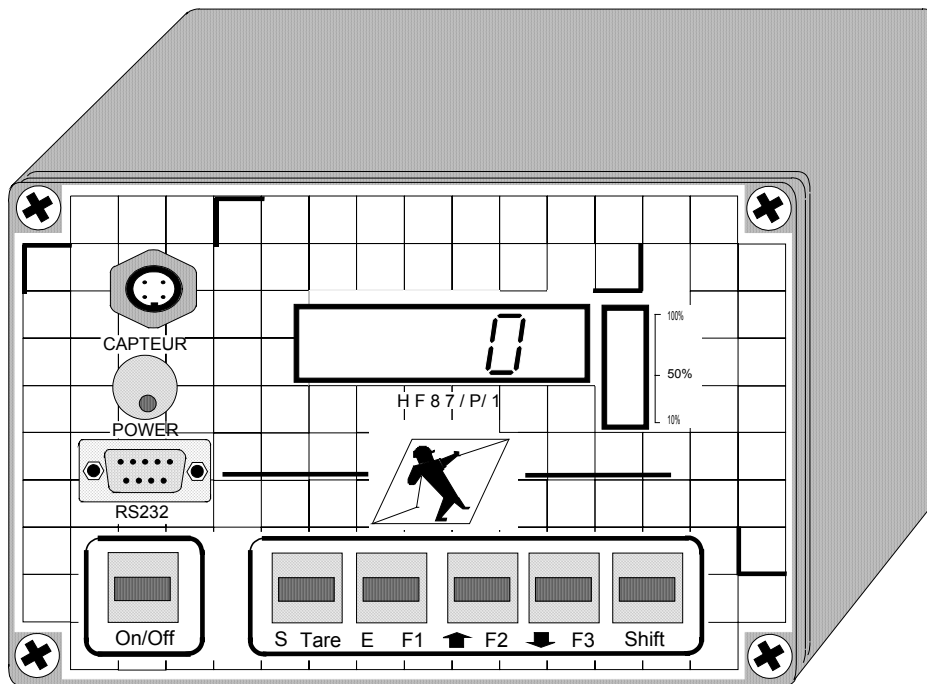
**ASSOCIATED MATERIAL:**

Digital Display HF 87/1/ T

Analogue Display HF 87/A

**APPLICATIONS:**

The display corrects by calculation the information from the sensor taking in account the wire ropes diameter and specification.



**TECHNICAL SPECIFICATIONS :**

Controlled by a microprocessor .  
Display in daN (others in option )  
Display : 4 1/2 digit . Red LED 14 mm  
Display accuracy :  

- +/- 1 % in Special Mode (SPEC)
- +/- 2,5% in Normal Mode (NORM)

 Barograph : Indicates the updates from the sensor as a %

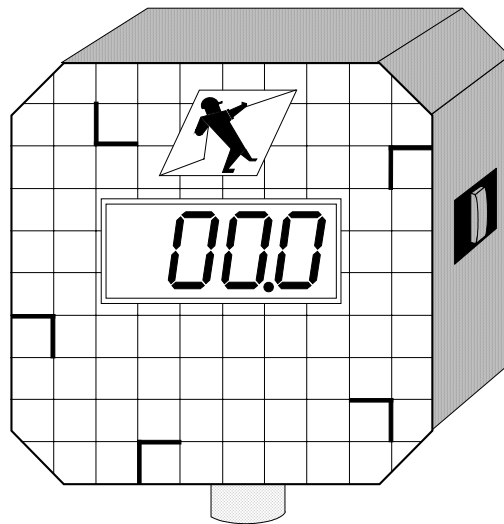
Input Signal: Frequency from 500 Hz to 10 kHz.  
Output : RS 232 for connection to a P.C.  
Protection : IP 55  
Temperature: from - 20° to + 60°  
Dimensions : H 105 / L 165 / P 180 / mm  
Weight : 2 kg  
Supply : rechargeable incorporated batteries  
Battery live : 12 hours before recharge  
Charger : power 12 Vdc  
Charge time : 1 hour

**IDENTIFICATIONS :**

Display HF 87/ T	44098
3 m cable to connect to display 4 pin "Lemo"	75057
Transformer (Charger )	44108
Leather carrying case	44118



**APPLICATIONS :**



**TECHNICAL SPECIFICATIONS :**

Display in force units (to precise when you place the order)

Display : 3 1/2 digit . LCD 14 mm

Display accuracy :

- +/- 1 % of the target value.
- Refer you to the correction abacus for the nearby values.

Calibration in factory following customer information :

- Wire rope type
- Target tension

Input Signal: mV/V

Protection : IP 54

Temperature : from -10° to + 50°

Dimensions : H 80 / L 80 / P 40 / mm

Weight : 350 gr

Supply : 1 incorporate battery type : 9V PP3

Battery life : 15 hours with full charged high power battery

HF 87/A Display	55288
3 m cable to connect sensor with level to display 4 pin "Lemo"	75057
Leather protection case	49358