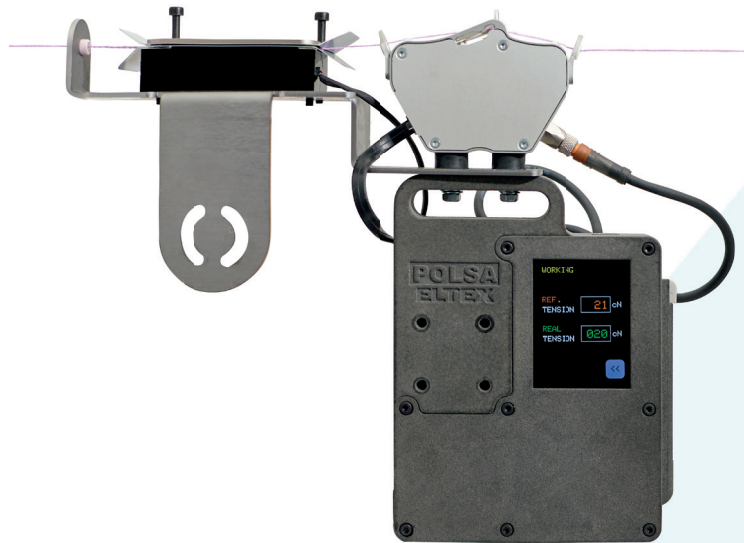


# ACT

## Automatic Control of Tension

INFO LEAFLET



### ■ General description

The ELTEX ACT (Automatic Control of Tension) is a stand-alone device. It will continuously monitor and control the yarn tension according to a reference setting tension point.

The ACT is designed to be used on, for example: air jet weaving machines, winders and sewing machines.

When the yarn tension is kept constant it will help to produce better quality and, in some cases,

even enable the use of difficult yarns such as recycled yarns.

The ACT system is composed of:

1. ELTEX tension monitor ETM Solo
2. Central unit with one CPU, driver circuit and touch screen for settings
3. Electromagnetic brake

### ■ Features

- The ACT monitors and regulates the yarn tension continuously. Both the reference and real tension is displayed on the screen.
- The reaction time of the system is adjustable.
- An upper limit of the brake force can be set.
- The ETM Solo sensor can be zero-set
- Two ranges of tension available: 1 000 cN and 2 500 cN, depending on ETM Solo type.

### ■ Advantages

- Plug & Play system. Each unit works independently. No communication must be established with the machine.
- Improves the quality of the process.
- Stabilizes the tension that will otherwise vary for example because of a full, medium or nearly empty bobbin.
- Works even at very low tensions, less than 10cN.
- The desired tension set value is easily entered with the touch screen.
- Different brake executions according to the desired tensions.
- Low maintenance



## ■ Typical Applications

- Winders
- Winders for braiding machines
- Air jet weaving machines
- Sewing machines
- Extrusion machines
- LENO yarns for special applications, (Technical fabrics)  
Selvedge yarns
- Drawing-in machine for weaving preparation
- Tampons machine: Control the tension on the main cord yarn
- Knitting machines.

## ■ Technical Specifications

- Power supply: +24V DC
- Power Consumption: Maximum 160 mA
- Working range: according to the ETM Solo sensor type:  
1 000 cN or 2 500 cN
- Electromagnetic brake: Maximum brake force at 24V DC.

EU and US Patents Pending



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