Measuring Equipment



**NEW FOR 2016!**

**ENGRENAGES HPC** has a full range of measuring devices available. In the latest catalogue you will find a selection of 3, 4 and 5 digit position indicators including both mechanical and electronic versions. These devices are used to measure and display either linear or angular displacement. The latest addition to the range is a new multi-function device.

**Digital position indicators**:

Technical Characteristics (depends on model) :

* Display with 3, 4 or 5 digits (red digit to display tenths or hundreths), displays up to 9999
* Position Indicator with a hollow shaft
* Indicator with 3, 4 or 5 digits for the control or direct measure of a displacement (or rotation) obtained via the rotation of a drive shaft.
* Polycarbonate or Technopolymer inflammable shockproof housing. Ingress Protection IP64 or IP54.
* Height of digits: 5, 6 or 7mm
* Drive shaft hole diameter: 8, 10, 12, 14, 20 or 30mm (subject to model)
* Dustproof gasket

Accessories available (for 4 and 5 digit versions only) :

 - Shaft reducer

 - Locking collar

 - Control knob

**Digital position indicators**:

General Characteristics:

* Power supply: external battery (1/2AA 3.6V)
* Battery life: 4 years (continuous use)
* Max speed:
	+ 400 rpm (continuous use)
	+ 1,000 rpm (for short periods )
* Display range: -999999 to +999999
* Display: LCD height 7.5mm
* Keypad: 3 keys for programming function selection
* Hardwearing shockproof inflammable housing
* Operating temperature: 0 to +50°C
* Relative Humidity: 35% to 85%
* Protection IP54
* EMC Compliance 2004/108/CE

Major features:

* Compact
* Easy to install
* Simple to program

Applications :

* Packing machines, wood treatment, aluminium, sheet metal…

**Multifunction display (NEW)** :

General Characteristics:

* Internal or external sensor
* Resolution : 0.1mm
* Max speed: 2,5m/s
* Display range: -99999 to +99999
* Display: LCD height 7.5mm
* Max distance between sensor and band: 1mm
* Keypad: 3 keys for programming function selection
* Sensor Ingress Protection: IP67
* Display Ingress Protection: IP54
* Operating temperature: 0 to +50°C
* Relative Humidity: 35% to 85%
* EMC Compliance 2004/108/CE
* Power supply: 1/2AA 3.6V (Lithium-thionyl chloride) battery
* Battery life: 4 years (continuous use)
Max speed:
	+ 400 rpm (continuous use)
	+ 1,000 rpm (for short periods )
* Hardwearing shockproof inflammable housing

Accessories available:

* Ring and magnetic band
* Surface or right angled mounting brackets
* Adjustable support brackets

Major features:

* Compact
* Easy to install
* Simple to program

Applications :

* Wood Machines, printing..…