

## Mode : CD4 Magnetic professional measuring instrument



### Main Features

- Very high accuracy:  $\pm 1\%$  absolute • One system for all tie bar diameters • It can be used in any diameter and dynamic plane. °
- Calculations are performed for each material parameter using Young's modulus.
- Quick & easy mounting °
- All models for the industry (regardless of tonnes) • Die-casting machines, injection molding machines, hydraulic machines, combined Protection of the molding machine using a tie bar, crankshaft and die
- 2 Sensors for bending compensated measurements °
- One system for the high tech molding shop °
- Sensor protection design.
- Quick & easy mounting °
- Lithium rechargeable 4 Port Monitor • Intuitive high-precision digital display °
- Provide a total clamping force(Tons 、kN) • One system for all tie bar diameters.
- Anti-EMI interference and Dedicated Level meter Calibration exclusive design tool °

Provides high accuracy  $\pm 1\%$  with linear, complete and rapid measurement of the total clamping force and single Gelin clamping force or strain, Rapid correction of injection molding machines is used in industrial, complete machine repair shops and end-customer production plants.

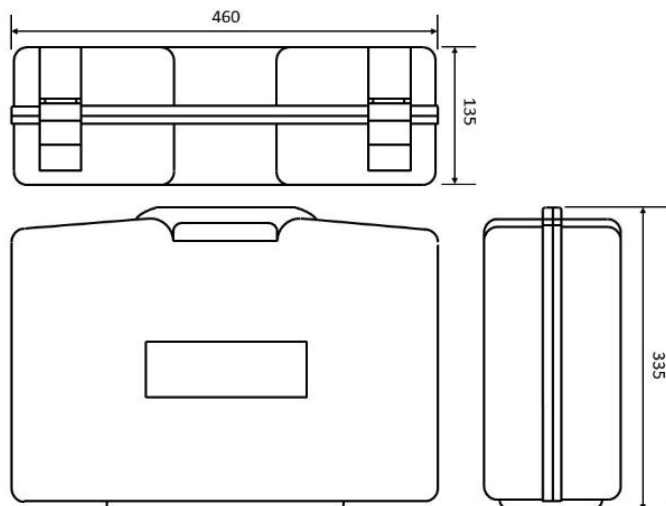
Manufacturer : QC each machine clamping force and the total amount of deformation of individual tie bar of the average, each machine to ensure accurate data standards °

Refurbishment plant : Clamping force to ensure compliance with the standard error, each tie bar clamping force to facilitate adjustment to the credibility of the standard data provided to the customer °

Production Factory : Easy to record production clamping force needs to provide precise accuracy of the same product, in order to improve the yield of the raw product, and provides a tie bar, crankshaft, die protection °

Others: Customized Young's modulus is applied to a variety of materials, and variable data applicable to various cylindrical materials should be applicable throughout each machinery factory.

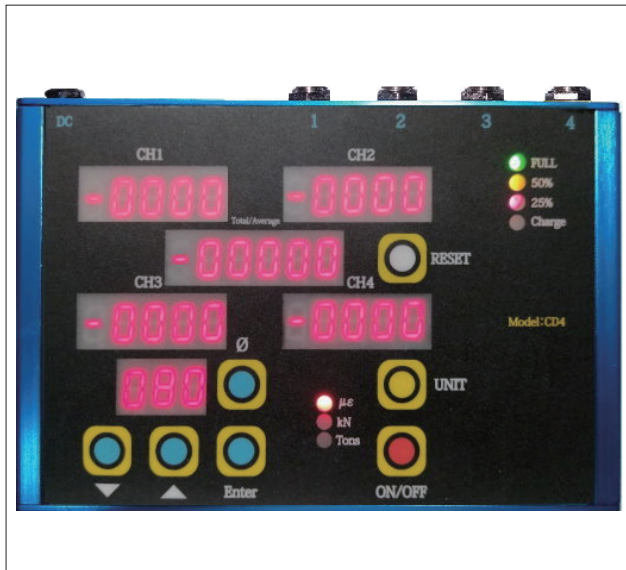
### Housing dimensions : mm



### Fitting : ( Total weight 6.5kg )

Sensor	8 high sensitivity sensor
Display	4 Port Display 、Tons 、kN 、 $\mu \varepsilon$ (Strain)
Lithium battery	Display Built-in rechargeable lithium battery
Cable	4 anti-EMI cable (Y type)
Charger	100ACV~240ACV Display Chargers
Level meter	Level meter sensors for calibration tool
Aluminum case	Lightweight suitcase with built-in special hard foam

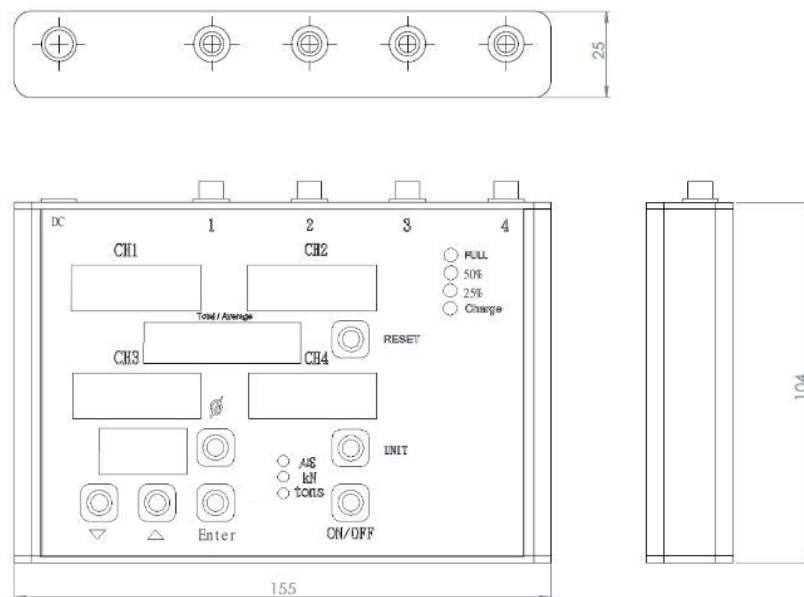
## D4 4 Port Display



### Main Features

- 4Port Display for CD4 Measuring Instruments °
- Display the total clamping force (Tons, kN) and single Tie ber clamping force.
- Display the deformation of a single Tie ber and the average reference clamping force.
- Different diameters are input, and the variable ( $\mu \epsilon$ ) is used for calculation.
- Manually reset before closing the mold, more accurate mold closing data.
- Advanced all-electronic technology, high precision, <1% absolute precision.
- Hand-held digital operation splash-proof display panel.
- The display has a built-in lithium battery and voltage display.
- Equipped 100ACV~240ACV charger °

### Housing dimensions : mm



### Technical Information :

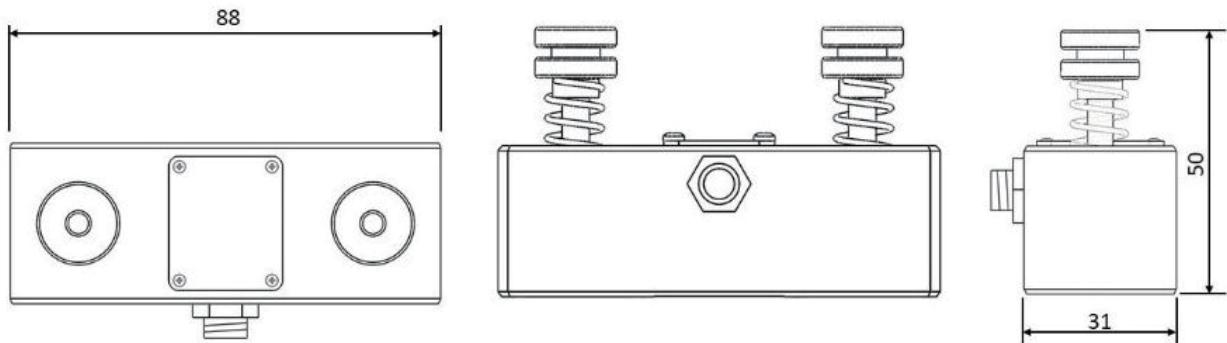
Input port	4 Port
Maximum input diameter $\varnothing$	999 (mm)
Display Units	$\mu \epsilon$ 、 tons 、 kN
External voltage input(Charging)	100ACV~240ACV
Internal input voltage	7.5DCV
Measuring range	$\pm 16000 \mu \epsilon$ (Default Young's modulus 210000)
Operating temperature range	5~50°C
torage temperature range	5~50°C
Housing material	Aluminium (Anodized) , Acrylic , stainless steel M8 Connector
Panel material	Acrylic (Waterproof panel)
Weight	450g



### Main Features

- Very high accuracy:  $\pm 1\%$  absolute, One system for all tie bar diameters.
- Intuitive measurement method: 2 super strong magnets built into the sensor to measure deflection (deformation) Compensates for extension or loading of tie rods.
- Quick & easy mounting.
- Suitable for all types of machines in the industry (regardless of tonnage) die-casting machines, injection molding machines, hydraulic presses, Mold machine, and any cylindrical column under force.
- Quick solution for manufacturers of injection machines, die-casting machines and machine repair shops used in industry use.
- Advanced all-electronic technology, high precision,  $< 1\%$  absolute accuracy.
- The strain gauge is designed with special protection.
- Special height gauge and exclusive tool attachment for easy adjustment of spring height.

### Housing dimensions : mm



### Technical Information :

Gauge Factor	Foil (GF = 2.0)
Bridge resistance	350 $\Omega$
Sensitivity tolerance	$\pm 0.1\%$
Transverse sensitivity	$0.9 \pm 0.1 \%$
Accuracy	$\pm 1\%$
Linearity	$\pm 1\%$
Hysteresis	$< \pm 0.5\%$ FS
Repeatability	$< 0.2\%$ FS
Nominal input resistance	350 $\Omega$
Supply voltage	2.5V-DC (5VDC max)
Supply current	$< 8\text{mA}$
Measuring range	$\pm 8000 \mu \epsilon$
Operating temperature range	5~50°C
Storage temperature range	5~50°C
Overload capability	indefinite (offset occurs)
Environmental Compliance	IP-54
Housing material	Aluminium (Anodized) , Stainless steel fittings cover
Weight	300g

## CD4 Fitting Transmission cable 、 Removal tool



### Main Features

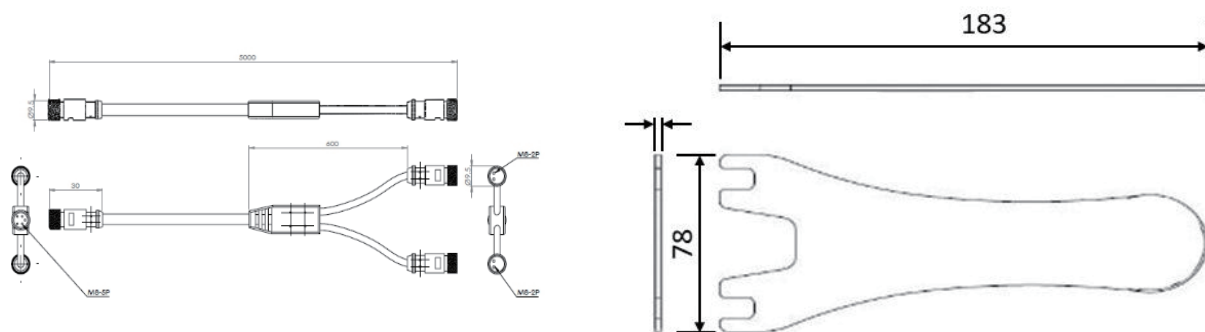
#### Dedicated transmission cable :

- Sensors monitor the dedicated cable.
- Anti-EMI interference 、 With a ground (GND) designs.
- M8 quick connector

#### Dedicated removal tool :

- CD4 magnetic sensor removal special tool (with level).
- LEasy to disassemble, protect the sensor and avoid damage to the sensing element.

### Dimensions :mm



### Technical Information :

Dedicated transmission cable :	
Type	Y type Transmission cabl
Impedance Deviation	$\pm 0.1\%$
Length	5.5M
Pin	4 Pin
Quantity	4
Connector diameter	M8
Cable Diameter	4.7mm
Weight	198g
Dedicated removal tool :	
Sensor detacher	Disassembler and spirit level
Material	Medium carbon steel dyed black
Level tool:	
Level meter	XY axis bubble level
Measuring standard	180°
Material	Acrylic