

## Your DGT300+, champion in its category

### User friendly interface

- Selectable language / Selectable metric or Imperial units  
Hold & Release on front panel keypad

### Fully compatible with :

- Any current load cells technologies, one or two load cells , Ultrasonic sensors (direct input available)
- **Tare function** for zeroing measure input (drift compensation)

### Built in PWM Power supply

- Up to 1.5 A
- No need of external power supply for most of MEROBEL EMP brakes & clutches

### Communication via Ethernet port

- See « *DGT data exchange* » on CD-rom

### PC software setting up and debugging

- Unlimited configuration records by software
- Real time full control panel available
- **Scope function for data real time readout and record**

### Advanced regulation capabilities

- Automatic P.I.D. parameters variation function
- Closed loop + open loop mode
- Inertia compensation control
- Smooth starting up with programmable slope
- E-stop torque proportional to the set point
- **REGUL / HOLD process driven by encoder signal option**
- Adjustable taper function available
- No-Stop web turrets management function
- Five complete built-in memories
- Motors & Drives specific settings

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## Compact Guide

### CONTENTS

- B - Kit description – Use precaution
- C - Dimensions - Fixing
- D/E - Setting up - PC software installation & use
- F/G – Connections & Process
- H - Sensors wiring – Keypad basics
- I – Full programming menu with front panel keypad

### KIT COMPONENTS

- 1 Digital controller DGT300+ (Réf ME131953-00)
- 1 Front panel
- 1 Accessories kit
- 1 USB wire pour liaison PC → DGT300+
- 1 CD : PC software - Installation & Use + User manuels + Case studies

### IMPORTANT – Use Precaution

#### A- Do not install DGT300+ in a zone with presence:

1. Of excessive and/or conductive dust
2. Of corrosive and/or flammable gas
3. Of excessive heat
4. Of important shocks and vibrations

#### B- Installation has to be done in accordance with electric standards

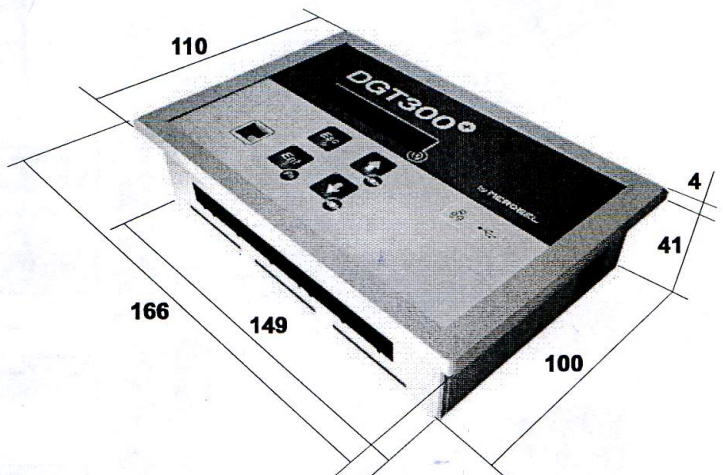
#### C- Forced cooling is compulsory in case of installation in closed enclosure cabinet. Vertical mounting position is recommended

#### D- Device never has to be in touch high humidity environment or water, fluid projection

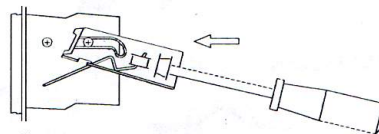
#### E- During installation (and production ) prevent external particles or object falling inside unit.

#### F- Install farthest possible cables and equipments of power and high voltage

### DIMENSIONS - FIXING



Front panel aperture



Fixing clamp mounting

B

C

A

