



DGT 300+

Digital Web Tension Controller for Magnetic powder- clutches and -brakes

Digital Controller combines, in a smart and low profile, Front face enclosure, the most simple user's interface with selectable languages and the most advanced technical features. Designed for closed loop and open loop tension control the DGT300+ is the up-to-date turnkey solution for unwinding, rewinding and intermediate Tension Control Applications. Allowing 100% Setting up through its user's Friendly Windows® PC or through its front panel keyboard, DGT300+ includes all this specific functions:

E-stop, soft start, hold & release, taper tension, remote control
PLC Analog output or Potentiometer.

Allowing direct input of position sensors or any kind of cells technology signals, the DGT300+ Design gives the benefit of fully digital calibration procedure as simple as 1-2-3 (no switch, strap, or resistance).



Signal Inputs for

- SG- Sensors Half- or Full Bridge circuit
- Actual value dancer position
- Diameter sensing for braking power pre- control
- Conductance value Line Speed
- Closed loop/ open loop tension control

Digital Inputs for

- Automatic PID 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
- Regul7 Hold process driven by encoder signal option
- Adjustable Taper function available
- No- stop web turrets management function
- Five complete built in memories
- Motor- and Drives specific setting available

Interfaces:

- USB (Programming interface)
- Ethernet (Mod Bus- Automation System Interface)

Dimension:

Control panel- mount Protection class IP20 Built in dimensions:HxWxD: 101x153x41 (mm),
with Front plate:HxWxD: 110x166x4 (mm), Touch pad keyboard

- Supply voltage 24V AC or DC
- Output current max. 1,5A
- Electrically isolated
- Control inhibit
- Tension control release
- Quick- stop function programable
- 2 Digital Inputs AL1/ AL2
- 2 Digital Outputs
- Set point Input 0-10V DC
- Tachometer Input
- Diameter Input
- Ultrasonic sensor Input 24V DC
- 2 Analog Outputs -10V...+10V