

# DIGIFORCE® X/Y monitoring

## For monitoring press-fit, joining, rivet and caulking operations

### Series 9311



**Compatible sensors**



- Flexible Fieldbus integration by PROFIBUS, PROFINET or EtherNet/IP
- Automatic sensor recognition from burster TEDS
- 3.5" colour touchscreen display
- 16 measurement programs
- Rapid data logging on USB flash drive
- New evaluation elements (trapezoid window and thresholds)
- User-configurable I/Os and 6 real-time switching signals

#### Application

DIGIFORCE® 9311 is the new standard in efficient quality control. The pioneering force/displacement controller delivers rapid, precise evaluation results for applications that demand both high quality and high productivity. The smart performance features and intelligent hardware make test equipment quicker to set up, easier to use and capable of automatic integration in modern production systems. This unrivalled product specification gives businesses the added security and dependability they need for increasingly complex production processes. The DIGIFORCE® 9311 monitors processes in which precisely defined functional relationships need to be demonstrated between two measured quantities of the process. For instance when recording and monitoring processes such as press-insertion, joining, riveting, stamping or caulking, reliable quality control depends on synchronous and high-speed acquisition of measured values combined with analysis based on versatile evaluation elements. DIGIFORCE® 9311 provides the modern platform you need for this task, offering the widest choice of Fieldbus interfaces, including PROFINET, PROFIBUS and EtherNet/IP, to let you integrate the test setup in your particular control environment.

Code:	9311 EN
Delivery:	ex stock/4 weeks
Warranty:	24 months



- Smart autoseup for evaluation elements
- Handles worker, admin and identification data
- Up to 50 most recent measurements available for display and analysis
- Records and evaluates a forward and return curve
- Live sensor values provided at the Fieldbus interface
- Synchronous logging of measurement data using DigiControl PC software for multichannel applications

Even in fully manual workstations such as manual presses with force/displacement monitoring, DIGIFORCE® 9311 can be used for convenient and efficient process monitoring thanks to custom add-on functions like acknowledge and inhibit signals.

The DIGIFORCE® 9311 uses burster TEDS to provide automatic sensor recognition. This feature automatically reads an electronic datasheet stored in the sensor so that the relevant data can be used in the measurement-channel configuration. With no chance of operator error during setup or servicing, it's best to play safe with burster TEDS. DIGIFORCE® 9311 offers versatile solutions for processes that need not just an OK/NOK evaluation but also data logging capabilities for recorded measurements and curves. Data from semi-automated and fully automated systems can be logged via the available Fieldbuses without slowing down production or via the Ethernet port (included as standard) linked to a server, host or local PC. The DigiControl PC software provides support with an automatic data logging mode that runs in parallel with production. There is also the option for high-speed data acquisition on a USB flash drive.