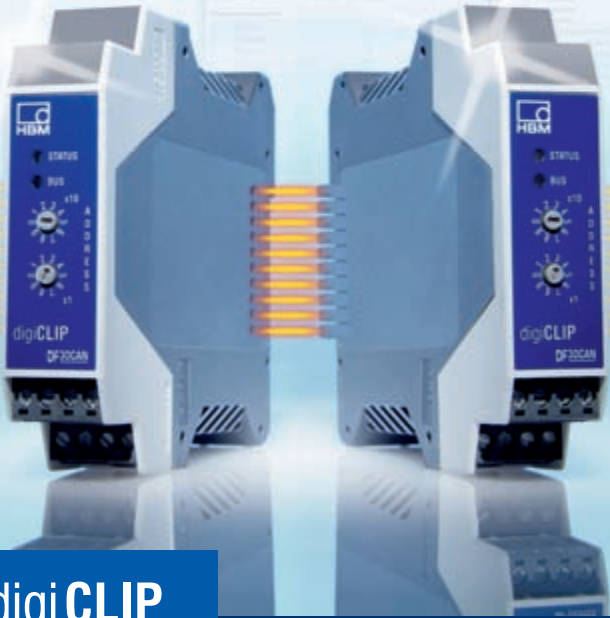




Green light for your production



digiCLIP

Increase your production efficiency
through reliable measurement



Do you want to measure force, weight, torque and pressure in the most modern way?

You can now benefit from a digital solution for monitoring your manufacturing processes: **digiCLIP**, the new modular amplifier system from HBM. It facilitates faster and more reliable measurement, and it's easily installed, too.

digiCLIP propels your production into the digital age. The time is right, as digital fieldbus systems are gaining increasing importance in the area of industrial automation.

You concentrate on the manufacturing.
digiCLIP does the monitoring.

digiCLIP's big advantage is that it monitors your production processes fully automatically.

Its range of applications is almost limitless: from the monitoring of automotive manufacturing through textile machines, printing machinery to energy recovery installations.



Functional test stand for inspection of finished products

into the digital age

Profit from the advantages of digiCLIP:

- ___ Start measuring in only 18 seconds
- ___ Interference-proof measurement results even in harsh electro-magnetic environments
- ___ Easy integration into your automated systems.

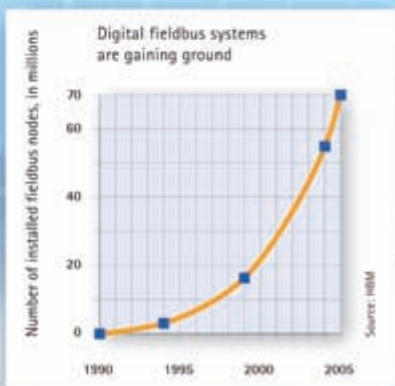


*Web-tension measurement
in paper and packaging
machinery*

*Industrial use in
large presses*



Photo: Schuler Systems & Services



*Analog technology
is being replaced:
According to forecasts,
the number of installed
digital fieldbus systems
will soon increase to over
100 million*

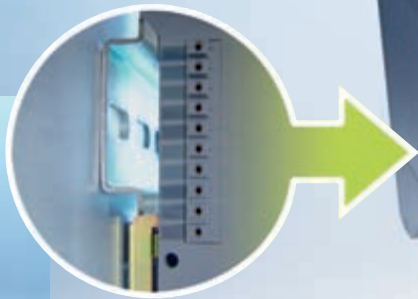
Start measuring in only 18 seconds...

digiCLIP helps slash downtimes when it comes to solving measurement tasks!

It supports **TEDS**, the electronic datasheet in the transducer. digiCLIP recognizes transducers equipped with TEDS memory chips. Complex configuration and parameter assignment are no longer required. digiCLIP can even be set up by untrained staff.



TEDS is the electronic datasheet in the transducer. TEDS transducers automatically transmit important parameters to the amplifier (e.g. data about a transducer). No complex amplifier configuration is required. TEDS transducers from HBM do not need any additional wire in the connection cable (patent pending).



The unit is simply CLIPped onto the standard rack: digiCLIP can be combined with other third-party PLC systems

them together, and start measuring

Interference-proof measurement results even in harsh electro-magnetic environments

Your production depends on reliability. That's why you can place your trust in digiCLIP: Even if it is used in close vicinity to large electric motors or high-voltage transmission lines, the measurement data supplied by digiCLIP is interference-proof.

digiCLIP uses the carrier frequency technique which enables measurement parameters such as force, weight, torque or pressure to be acquired **in a stable and precise manner.**

*The CLIP concept enables modules to be connected quickly – just clip them on!
No additional wiring is required*



digiCLIP is a modular system with up to 99 modules. Third-party modules can also be connected

Easy adaptation using standard interfaces

digiCLIP adapts to your automation system, because digiCLIP uses standard PROFIBUS DP-V1 or CANbus interfaces.



Easy PC configuration

All device settings can be made via PC using free digiCLIP software. Exchanging or retrofitting amplifiers without turning off the system is not a problem – thanks to **“Plug and Measure”** and **“HotSwapping”**.

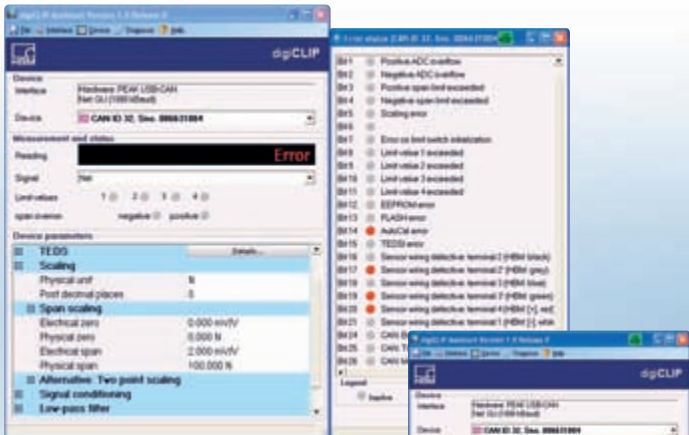
Hot Swapping

“HotSwapping” enables measurement modules to be added, removed or exchanged without turning off the system. No additional configuration of the running system or the software is required, nor is it necessary to disconnect the system.

Plug and Measure

“Plug and Measure” means that the amplifier automatically reads the configuration from the transducer. Measurement can be started immediately. No manual configuration is required. The “Plug and Measure” feature is available for transducers equipped with an electronic datasheet (TEDS).

your automation system



digiCLIP Assistant with status displays



Intuitive setup menu with online help and example settings



- ___ Modular measurement system for acquisition of force, pressure, and torque
- ___ Interference-proof operation in difficult industrial environments thanks to stable and precise carrier frequency technique
- ___ TEDS sensor recognition for quick and reliable setup
- ___ Easy and cost-effective integration into the control system thanks to standard CANbus and PROFIBUS interfaces
- ___ digiCLIP frees manufacturing cycles due to its integrated, real-time analysis functions.



digiCLIP modules	DF 30	DF 31
600 Hz carrier frequency	■	■
TEDS sensor recognition	■	■
Number of digital inputs	-	1
Number of digital outputs	-	2
Interfaces:		
CANOPEN	DF30CAN	DF31CAN
Profibus-DP	DF30DP	DF31DP

HBM provides complete measurement chains - from sensor to software. We additionally offer comprehensive on-site service, worldwide

For more detailed information, please visit ...

www.hbm.com/production



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