

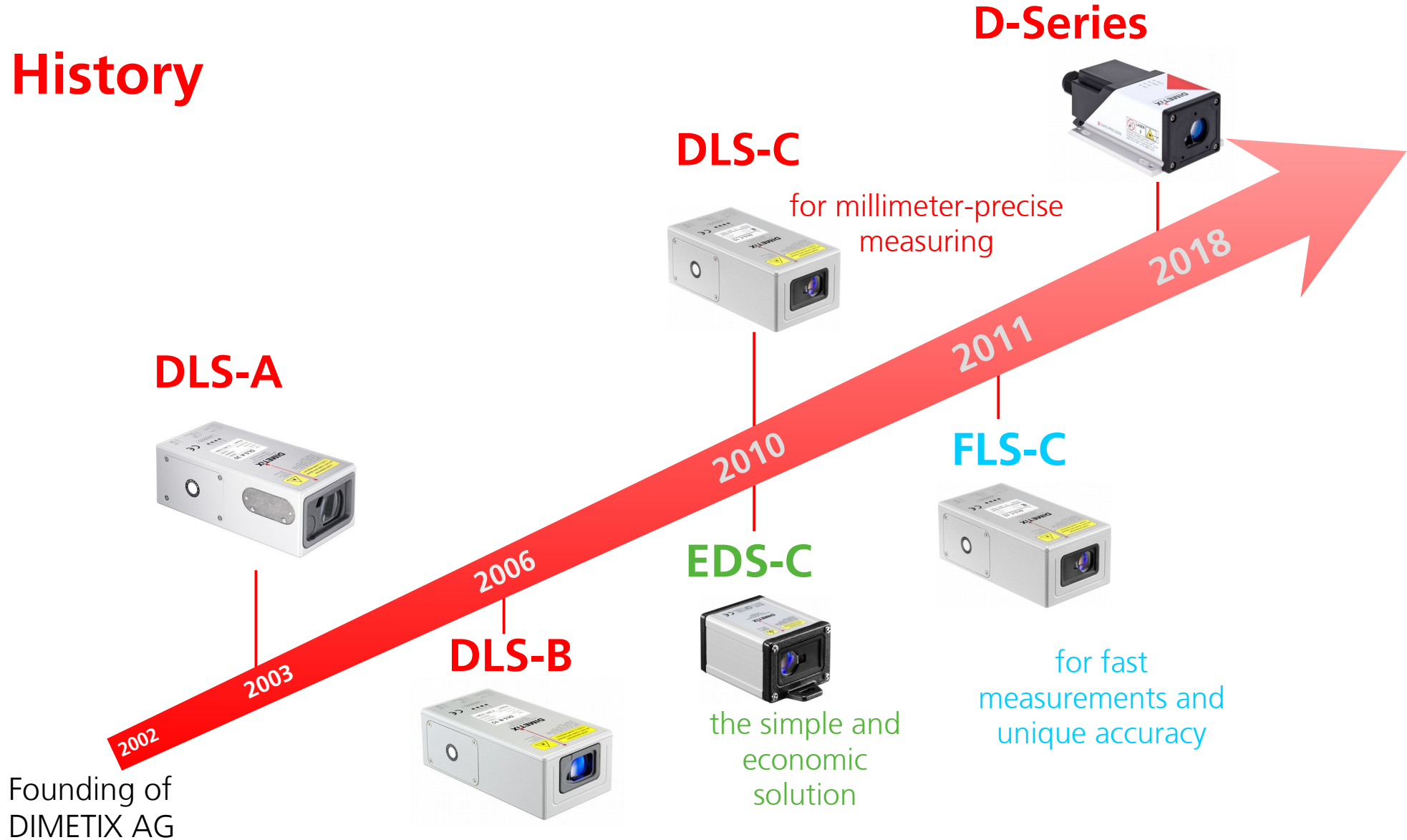


Company presentation 2018

 SWISS PRECISION

9100 Herisau/Switzerland • www.dimetix.com

History



Product strength USP's

- Measurement range
 - up to 100m on natural targets (white, black and other materials)
 - up to 500m on Reflex-foil
- Unique accuracy
 - $\pm 1\text{mm}$ @ 2σ ($\pm 0.5\text{mm}$ @ 1σ)
- Measurement speed up to 250Hz (output rate up to 1kHz)
- Extensive features included
 - the unit includes the majority of available interfaces and software features
- Solid housing
 - robust housing IP 65
 - temperature Range -40°C to $+60^{\circ}\text{C}$
- 100% testing; all devices are completely tested
 - temperature test (Accuracy / Burn In) → 1650 measurements
 - distance measurement test → 218 measurements



Sensor portfolio

DIMETIX
LASER DISTANCE SENSORS

EDS-C

Measuring Range: 0.05 ... 30 m
Accuracy: 3 mm



- Repeatability: 1.5 mm
- Measuring rate: up to 3 Hz
- Operating temperature: -10°C ... +50°C
- Interfaces: 0/4 ... 20 mA

DIMETIX
LASER DISTANCE SENSORS

DLS-C

Measuring Range: 0.05 ... 150 m
Accuracy: 1.5 mm



- Repeatability: 0.4 mm
- Measuring rate: up to 6 Hz
- Operating temperature: -40°C ... +50°C
- Interfaces: 0/4 ... 20 mA, 2 digital outputs
- Serial interfaces: RS-232, RS-422, Profibus

DIMETIX
LASER DISTANCE SENSORS

FLS-C

Measuring Range: 0.05 ... 500 m
Accuracy: 1 mm



- Repeatability: 0.3 mm
- Measuring rate: up to 200 Hz
- Operating temperature: -40°C ... +50°C
- Interfaces: 0/4 ... 20 mA, 2 digital outputs
- Serial interfaces: RS-232, RS-422, SSI, Profibus

DIMETIX
LASER DISTANCE SENSORS

D-Series

Measuring Range: 0 ... 500 m
Accuracy: 1 mm



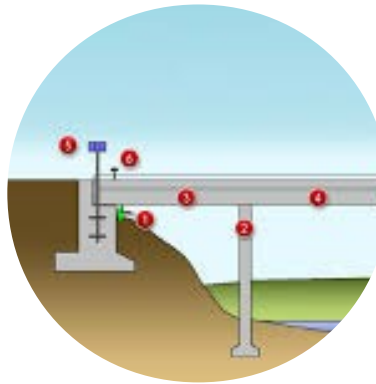
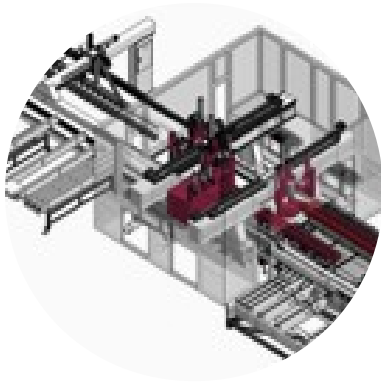
- Measuring rate 250 Hz
- Accuracy 1 mm
- Temperature (-40°) - (+60°)
- Serial + RealTime Interfaces
- Solid metal case IP65

D-Serie

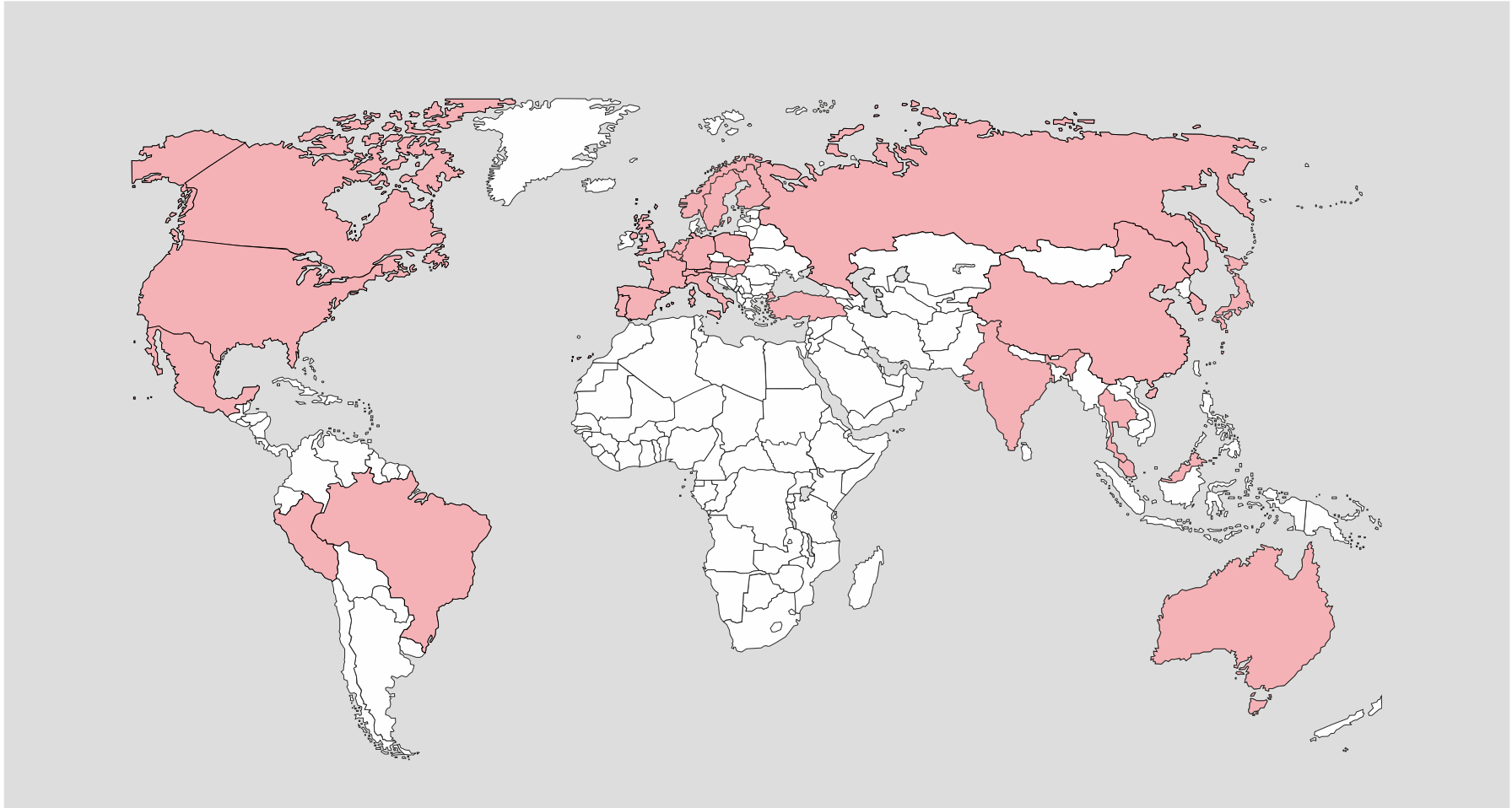
- Housing 350g
- Speed 250Hz (1kHz)
- Temperature range -40 .. 60°C
- Interfaces
 - Digital output
 - Analog Output (0.1 %)
 - RS-232 / RS-422 / RS-485 / SSI / USB
 - Optional: PROFINET / EtherNet/IP / EtherCAT



Broad range of applications



Distribution partners worldwide



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