







6 channels (+ 1 temp.)
per transmitter
Strain gauge, thermo
or analogue inputs,
free programmable,
Temperature range:
-40°C ... +85°C





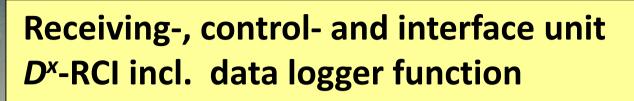
Signal Conditioning and Transmitter Unit *D*^x-SCT (rotor electronic)









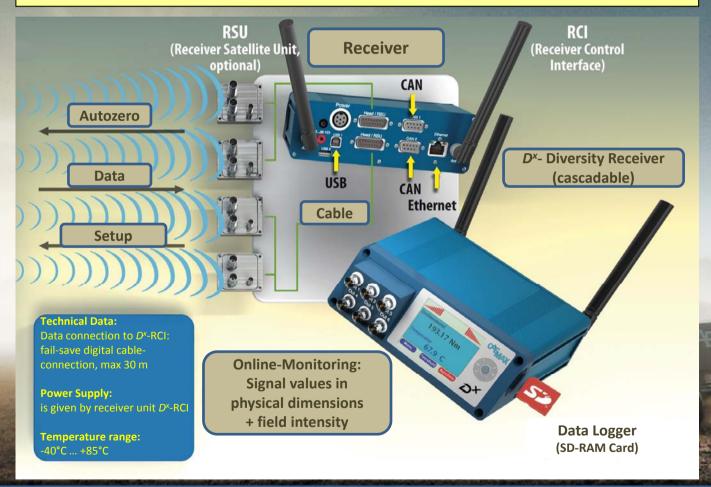






Receiver Satellite Unit Dx-RSU

only needed if **D**^x-RCI cannot receive the data from the transmitter (b.e. interferences or reflections).







Dx-Telemetry - Receiver

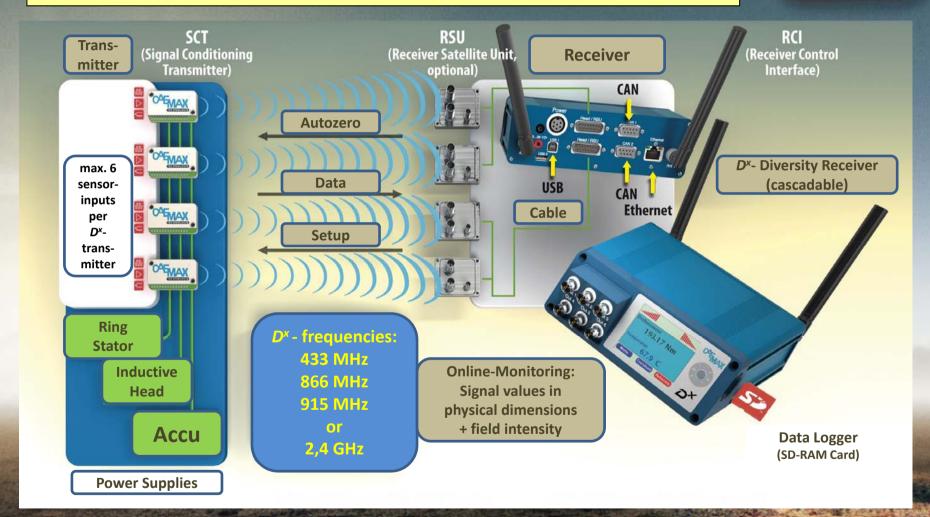


Technical details:

- * Interfaces:
 - 6 analogue BNC-outputs +/-10V/16bit freely selectable CAN 2.0b freely programmable, max. 1MBaud, galvanic isolated
 - Ethernet, TCP-Protocol secured, controlled by Webpage USB full speed for Plug and Play parameters SD-Card-Slot Data logging up to 4GB
- * Display: 2,83" coloured OLED (highest contrast)
- * Handling: multifunctional key (5 keys and rotating function)
- * Synchronisation of up to four transmitters within nsec
- * Inductive power: digital controlled, up to 20W
- * Power Supply: 9-36V DC

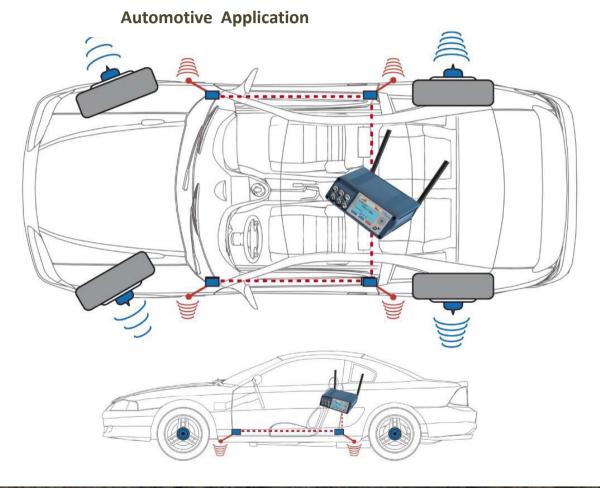
$D^x \rightarrow$ flexible in using for all tasks





Special project with company Kistler









Special project with company Kistler

To hold the transference noise rate minimum, two small antennas are appropriated on every side of the vehicle in the area of the outdoor mirror or treshhold. We use small satellite receivers and a digital bus to transfer data between outdoor antennas and wireless onboard electronic.

<u>Technical specifications required:</u>

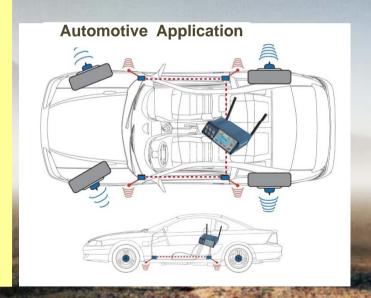
Samplingrate: 1 kHz Resolution: 16 bit

Frequency: 2.4 GHz, ISM-Band,

→ for worldwide application

Time delay: 10 ms

Perfect working under wet conditions!







For regulation of braking and driving torque and for all following applications you will need wheel force transducers (WFT):

Development of braking systems
Development of all-wheel systems
Development of ESP, ABS-algorithms
Regulation of losses in the powertrain
Hybrid: Analysis handling of
recuperation systems
General analysis of vehicle dynamics

WFT's has to be simple to mount and easy in using. The actual availability of the test vehicles is limited in the different developing departments

→ setup time has to be as short as possible!



