# PRKAB 600, Programming Cable and Accessories



## Application

The programming cable PRKAB 600 serves to connect the RISH *Ducer* V604 and RISH *Ducer* TP-25k in standard transducer to a PC on which the PC software VC 600 is installed for purposes of programming the transmitter. The cable also provides the electrical insulation between the PC and the transmitter. The data are transferred in a semiduplex mode.

The standard version of the RISH *Ducer* V 604 and RISH *Ducer* TP-25k transducer can be programmed using the PRKAB 600. The power supply for the transmitter must be switched on in order to program it.

The connections between PC  $\leftrightarrow$  PRKAB 600  $\leftrightarrow$  RISH Ducer V604 and RISH Ducer TP-25k can be seen from Fig. 1.



Fig. 1. Example for a connection for programming with a RISH Ducer V 604.

The electronic circuits convert the standard RS 232 C interface signals (± 10 V) to TTL signals of 0/5 V which can be read by RISH Ducer V 604 RISH Ducer TP-25k



Fig. 2. Programming cable PRKAB 600.



Fig. 3. Ancillary cable



Fig. 5.Configuration software VC 600 on CD.



Fig. 6. Schematic diagram PRKAB 600.

## **Technical Data**

### PC interface connector

Serial interface Sub-D connector Data transfer ratio

Send signal level

Receive signal level

Power consumption

COM 1, 2, 3 or 4 (RS 232 C) 9 pin Between 1200...9600 baud, depending on PC software - 5.6 V / + 5.6 V -12...3 V / + 3...12 V Approx. 80 mW

#### Transmitter programming connector FCC-68 socket 6/6 pin

FCC-68 socket Signal level Power consumption

#### Transmitter connecting cable

FCC-68 6/6 pin connectors at both ends uncrossed

#### Intrinsically safe

The PRKAB 600 programming cable is suitable for use with standard versions and explosion-proof "intrinsically safe" RISH  $D_{werr}$  V 604 and RISH  $D_{werr}$  TP-25k transducer

TTL (0/5 V)

Approx. 50 mW

#### Electric isolation

Between the serial interface on the PC and the transmitter Test voltage 4 kV, 50 Hz, 1 min.

Weight

Approx. 200 g

#### **Dimensional drawing** All Domensions are in mm

Fig. 7. Programming cable PRKAB 600..

### Accessories and spare parts

