Technical Data Sheet
PRKAB 600
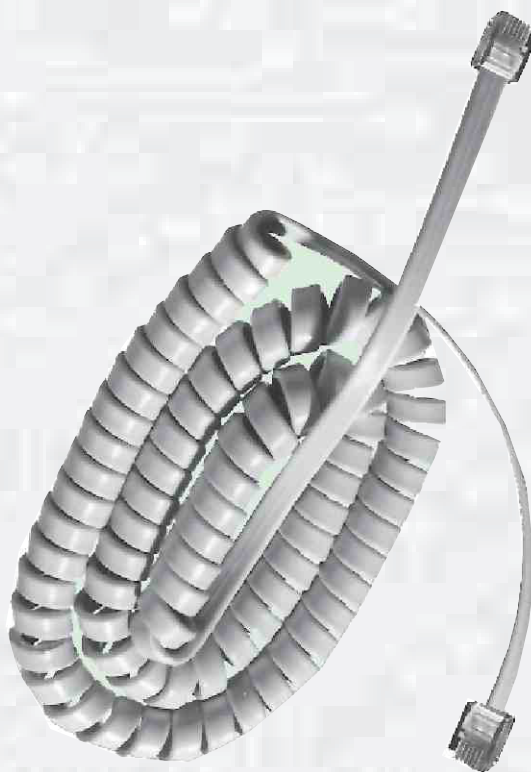

Fig. 2. Programming cable PRKAB 600.

Fig. 3. Ancillary cable

Application

The programming cable PRKAB 600 serves to connect the Theta V604 and Theta 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 Theta V 604 and Theta TP25k 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 ↔ PRKAB 600 ↔ Theta V604 and Theta TP-25k can be seen from Fig. 1.
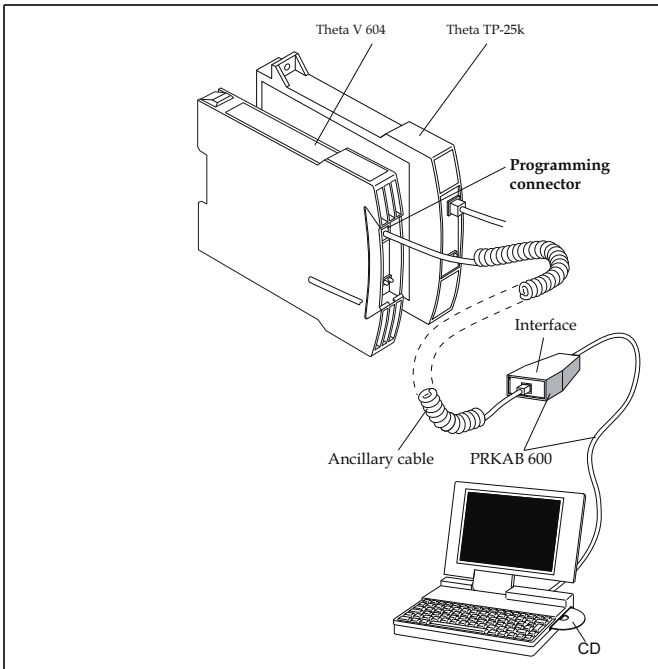
Fig. 1. Example for a connection for programming with a Theta V 604.

Fig. 2. Programming cable PRKAB 600

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 Theta V 604 Theta TP-25k
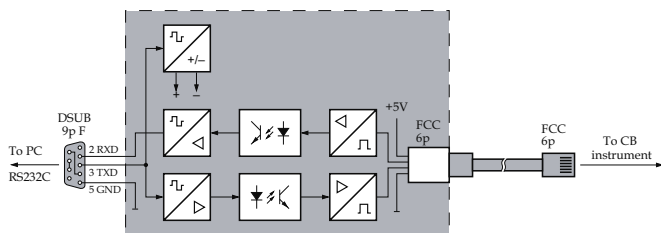
Fig. 3. Ancillary cable

Fig. 6. Schematic diagram PRKAB 600.

Fig. 5.Configuration software VC 600 on CD.

Technical Specifications

PC interface connector

Serial interface	COM 1, 2, 3 or 4 (RS 232 C)
Sub-D connector	9 pin
Data transfer ratio	Between 1200...9600 baud, depending on PC software
Send signal level	– 5.6 V / + 5.6 V
Receive signal level	–12...3 V / + 3...12 V
Power consumption	Approx. 80 mW

Transmitter programming connector

FCC-68 socket	6/6 pin
Signal level	TTL (0/5 V)
Power consumption	Approx. 50 mW

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" Theta V 604 and Theta TP-25k transducer

Electric isolation

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

Weight   Approx. 200 g

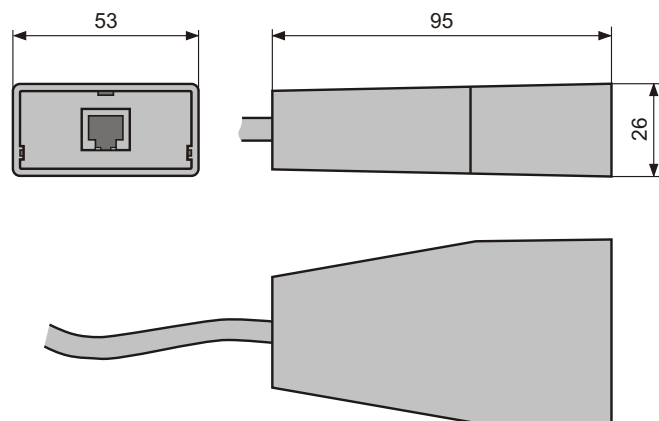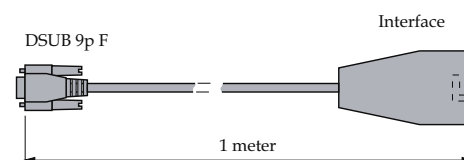## Dimensional drawing

All Dimensions are in mm

Fig. 7. Programming cable PRKAB 600..
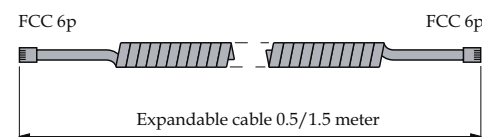
Accessories and spare parts

Description
Configuration software on CD with all configuration programmes presently available.
Programming cable PRKAB 600 for ThetaV604 and Theta TP-25k

DSUB 9p F   Interface

1 meter

Ancillary cable for
Theta V604 and Theta TP-25k

FCC 6p   FCC 6p

Expandable cable 0.5/1.5 meter

Operating Instructions PRKAB 600