Operating Instructions
Programming cable PRKAB 600 for Theta V604-II

12.02

Operating Instructions
Programming cable PRKAB 600 for
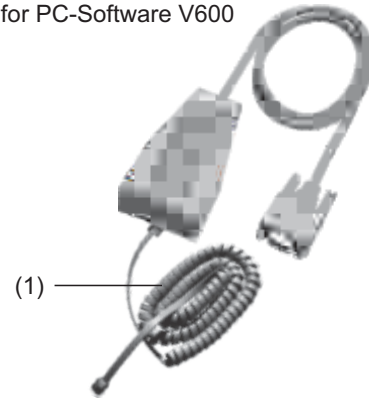## *Theta* V604 -

1. ⚠ Warning

Strictly follow the warnings given in the Operating Instruction for **Theta V604**

The programming cable PRKAB 600 is only for use in conjunction with a PC with a Windows operating system having an RS 232C serial interface.
No liability will be accepted in any other cases.

2. Scope of supply

1) Programming cable (1)
2) Operating instructions (2)
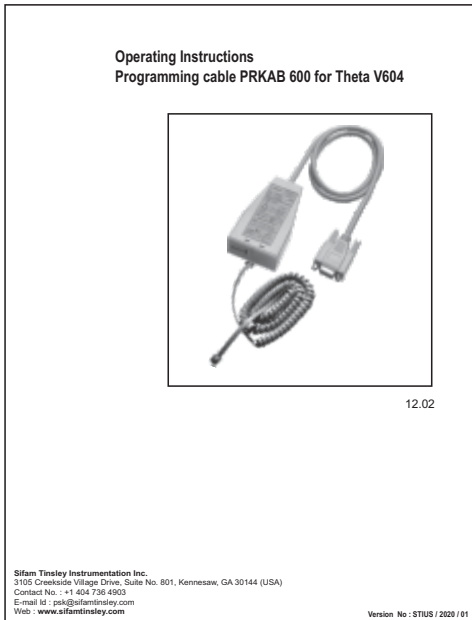3) Compact Disk for PC-Software V600

(1)

Fig. 1

3. Description

The programming cable PRKAB600 serves to connect the Theta V604 transducer to a PC with a Windows operating system and on which the PC-software V600 (provided in Compact disc) is installed for purpose of programming the instrument. The cable also provides the electrical isolation between PC and the transducer.

The power supply for the transducer must be switched on in order to program it.

The connection between PC ↔ PRKAB600 ↔ Theta *V604* are shown in Fig. 2.

Theta V604
Programming Connector
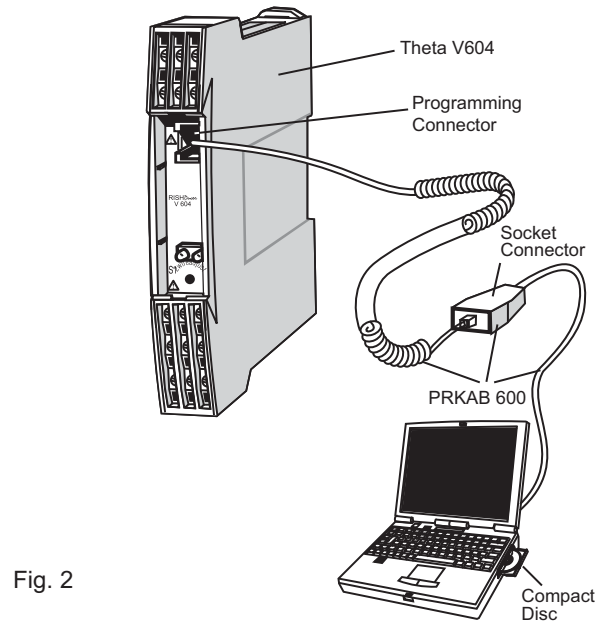Socket Connector
PRKAB 600
Compact Disc

Fig. 2

⚠ It is not permitted to use the programming cable PRKAB600 for programming devices of other manufacturer.

Operating Instructions
Programming cable PRKAB 600 for
Theta V604 - II

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The data are transferred in a half-duplex mode.

The built-in electronic circuit converts the standard RS232C interface signal (±10V) to TTL signals of 0/5V which can be read by Theta V604.
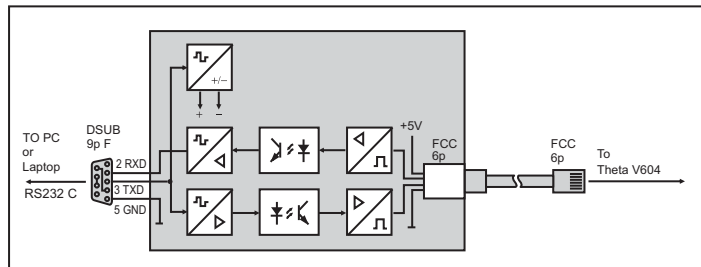

Fig. 3 Schematic diagram PRKAB600

4. Technical data

PC interface connector

Serial interface	: COM 1, 2, 3, or 4 (RS232 C)
Sub-D connector	: 9pin
Data transfer rate	: Between 1200...9600 Baud, Depending on PC software
Transmit signal level	: -5.6 V / + 5.6 V
Receive signal level	: -12...3 V / + 3...12 V
Power consumption	: Approx. 80 mW

Programming connector

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

Expandable cable
FCC-68 6/6 pin connector at both ends uncrossed.

Electric isolation
Between the serial interface on the PC and the Theta V604

Test Voltage	: 4kV, 50Hz, 1min

Weight	Approx. 200 g,

5. Dimensional drawings

Electric isolation
Between the serial interface on the PC
and the Theta V604 - II

Test voltage:	4 kV, 50Hz, 1min
Weight	Approx. 200g