Fiber Optic Link Kit
for Smart Fieldmeter® Digital RFP-05
FOLK-01

ODLK-01

FOLK-01

PC
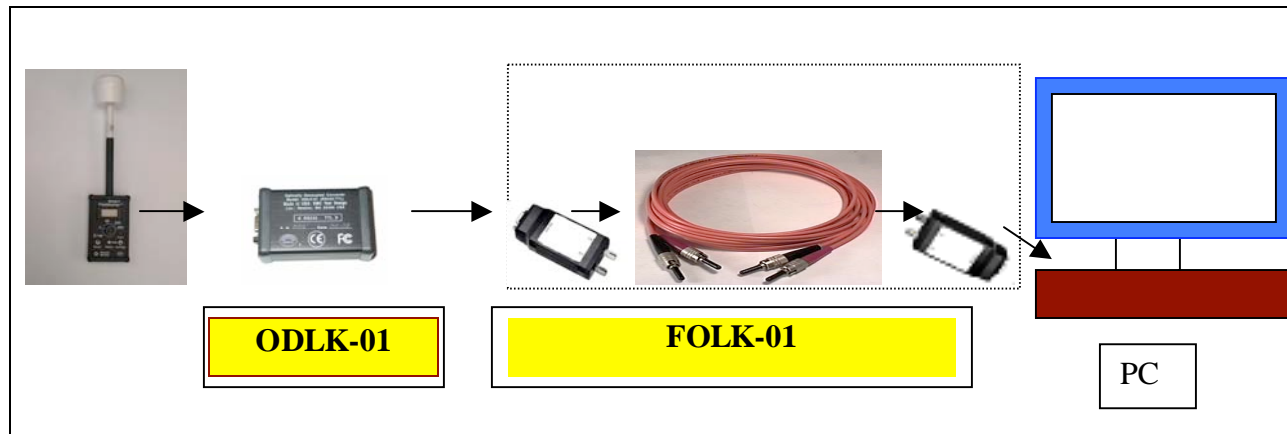
1. The structure of PC link system
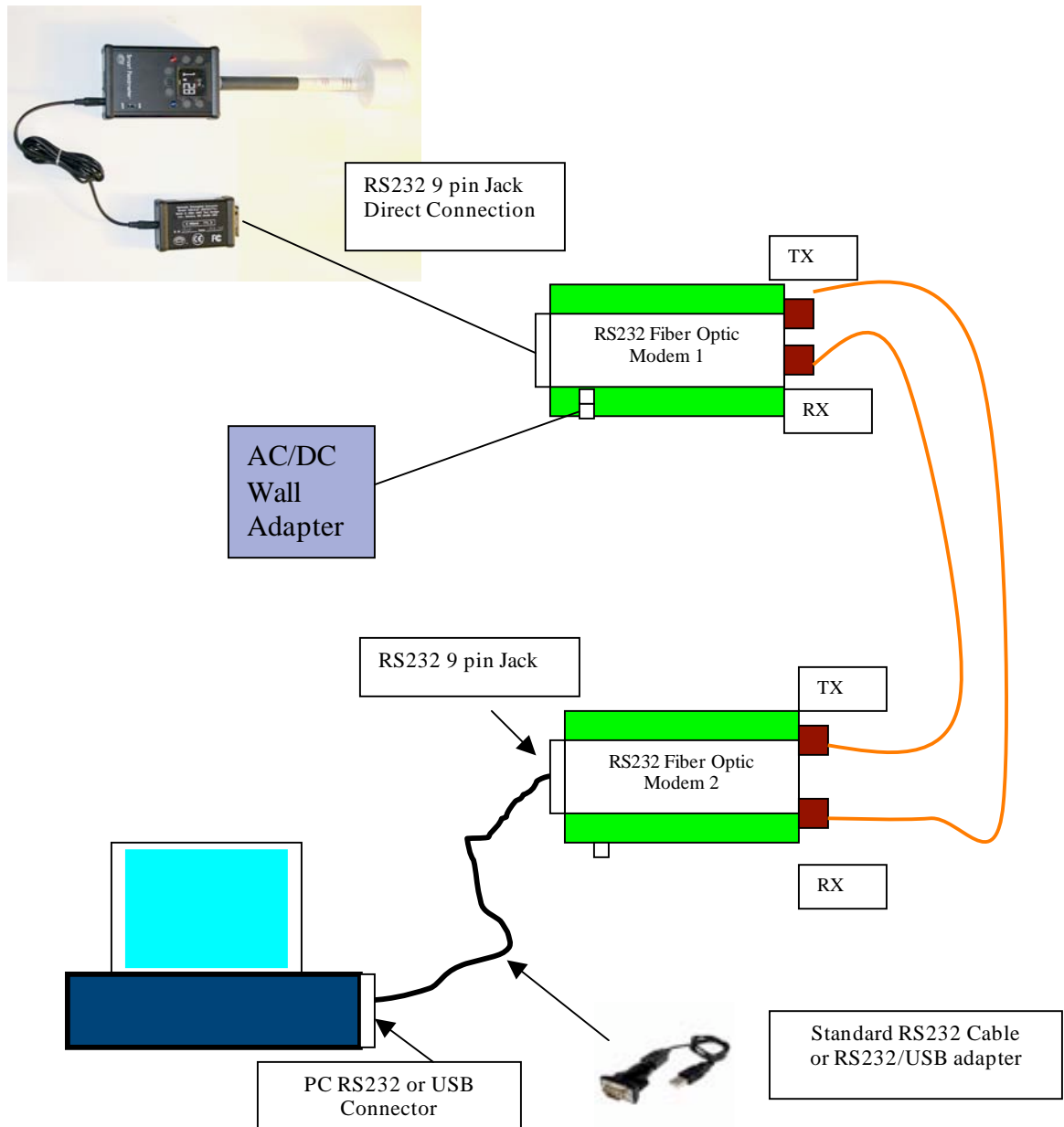# for Smart Fieldmeter® Digital RFP-05

PC link system for Smart Fieldmeter® Digital - provides the bidirectional RS232/USB link between Smart Fieldmeter® Digital and your PC. Field strength data can be streamed to PC in a real time and can be viewed, stored, archived and exported with standard off the shelf software (See the ODLK-01 Users Manual). Meter RFP-05 can be fully controlled through this link. The command list is offered by request to incorporate the field strength meter into your EMC test system. FOLK-01 is entirely transparent and doesn't affect the communication between meter serial output, through ODLK-01 to PC.

FOLK-01 fiber optic kit allows Smart Fieldmeter® Digital to be connected to PC through non-metal fiber optic cable, thus eliminating stray AC and RF currents coming from PC affecting the probe readings. It also is useful to put the data transfer lines through metal walls of the screen rooms and anechoic chambers.

FOLK-01 kit consists of the following components
(ODLK-01 unit is required):

1. Fiber optic cable (dual) with ST connectors (length is either 10 m or custom per user requirements).
2. RS232 fiber optic modem (2 units).
3. DC power supply (to power the modem on ODLK-01 side).

2. The connection diagram of the ODLK-01 with FOLK-01 system:

RS232 9 pin Jack Direct Connection

TX

RS232 Fiber Optic Modem 1

RX

AC/DC Wall Adapter

RS232 9 pin Jack

TX

RS232 Fiber Optic Modem 2

RX

Standard RS232 Cable or RS232/USB adapter

PC RS232 or USB Connector

Notes:
1. Each fiber optic cable is connected to TX (transmitter) on one end and to RX (receiver) on another end.
2. The second RS232 Fiber Optic Modem has no external power supply; it is powered from PC RS232 port.