

## Transmitter FUS060 operating instructions, accessories and spare parts

### Operating instructions



Description	Order No.
• English	<b>A5E01204521</b>
• German	<b>A5E02123845</b>

This device is shipped with a Quick Start guide and a CD containing further SITRANS F US literature.

All literature is also available for free at:

<http://www.siemens.com/flowdocumentation>

### Accessories

Description	Order No.	
Standard wall mounting bracket	<b>7ME5933-0AC04</b>	
Special wall-/pipe mounting bracket kit	<b>7ME5933-0AC05</b>	
Safety clamp for electronic cover with glass plate (7ME5933-0AC01)	<b>7ME5933-0AC06</b>	

### Process Device Manager SIMATIC PDM

#### SIMATIC PDM Single Point V6.0

For operation and parameterization of one field device, communication using PROFIBUS DP/PA or HART modem, incl. 1 TAG

**Cannot** be expanded by further functions or TAG option/power-pack 5 languages (German, English, French, Spanish, Italian) executes with Windows 2000 Professional or Windows XP Professional

**6ES7658-3HX06-0YA5**



#### HART modem for communication with FUS060 HART, PC and SIMATIC PDM

##### HART modem

With RS 232 connection

**7MF4997-1DA**

With USB connection


**7MF4997-1DB**














### Spare parts

SITRANS FUS060 transmitter, available standard and Ex versions

**The transmitter configuration is made in the flowmeter order codes (together with the sensors).**

**The information below is for spare part ordering only and with fixed standardized pre-settings for a DN 2000 2-path system.**

Description	Version	Enclosure	Supply	Order No.	
FUS060, 230 V, HART, Metric cable glands	Transmitter for remote connection	IP65 (NEMA 4)	115 ... 230 V AC 50/60 Hz	<b>7ME3050-2BA10-1BA1</b>	
FUS060, 230 V, HART, Imperial cable glands	Transmitter for remote connection	IP65 (NEMA 4)	115 ... 230 V AC 50/60 Hz	<b>7ME3050-2BA10-1BA2</b>	
FUS060, 230 V, PROFIBUS, Metric cable glands	Transmitter for remote connection	IP65 (NEMA 4)	115 ... 230 V AC 50/60 Hz	<b>7ME3050-2BA10-1DA1</b>	
FUS060, 230 V, PROFIBUS, Imperial cable glands	Transmitter for remote connection	IP65 (NEMA 4)	115 ... 230 V AC 50/60 Hz	<b>7ME3050-2BA10-1DA2</b>	
FUS060, 24 V, HART, Metric cable glands	Transmitter for remote connection	IP65 (NEMA 4)	19 ... 30 V DC/ 21 ... 26 V AC	<b>7ME3050-2BA20-1BA1</b>	
FUS060, 24 V, HART, Imperial cable glands	Transmitter for remote connection	IP65 (NEMA 4)	19 ... 30 V DC/ 21 ... 26 V AC	<b>7ME3050-2BA20-1BA2</b>	
FUS060, 24 V, PROFIBUS, Metric cable glands	Transmitter for remote connection	IP65 (NEMA 4)	19 ... 30 V DC/ 21 ... 26 V AC	<b>7ME3050-2BA20-1DA1</b>	
FUS060, 24 V, PROFIBUS, Imperial cable glands	Transmitter for remote connection	IP65 (NEMA 4)	19 ... 30 V DC/ 21 ... 26 V AC	<b>7ME3050-2BA20-1DA2</b>	
FUS060, ATEX, 24 V, HART, Metric cable glands	Transmitter for remote connection	IP65 (NEMA 4) ATEX approval	19 ... 30 V DC/ 21 ... 26 V AC	<b>7ME3050-2BA21-1CA1</b>	

Description	Order No.		Description	Order No.	
Operating/Display module	<b>7ME5933-0AC00</b>		M20 cable gland set for FUS060 ATEX version power and output connection, PA plastic, 1 x in blue (ATEX Ex iEx i) and 1 x gray (ATEX Ex-e) • cables Ø 5 ... 9 mm (0.20" ... 0.35") • -20 ... +95 °C (-4 ... +203 °F)	<b>A5E02246356</b>	
Electronics cover with glass plate (non Ex) . Die cast aluminum, with corrosion-resistant Basic Polyester powder coating (min. 60 µm)	<b>7ME5933-0AC01</b>		1/2" NPT cable gland set for FUS060 (NPT) power and output connection, gray PA plastic, 2 pcs. • cables Ø 6 ... 12 mm (0.24" ... 0.47") • -40 ... +100 °C (-40 ... +212 °F)	<b>A5E02246396</b>	
Cover for sensor cable and gasket. Die cast aluminum, with corrosion-resistant Basic Polyester powder coating (min. 60 µm)	<b>7ME5933-0AC02</b>		M25 cable gland set for the FUS060 PA (M25) power and output connection, gray PA plastic, 2 pcs. • cables Ø 9 ... 16 mm (0.35" ... 0.63") • -40 ... +100 °C (-40 ... +212 °F)	<b>A5E02246378</b>	
Cover for mains supply/communication. Die cast aluminum, with corrosion-resistant Basic Polyester powder coating (min. 60 µm)	<b>7ME5933-0AC03</b>		M16x1.5 cable gland set for FUS060 (M16) sensor connection, gray PA plastic, 2 pcs. and 2 pcs. blind. • cables Ø 5 ... 9 mm (0.20" ... 0.35") • -40 ... +100 °C (-40 ... +212 °F)	<b>A5E02593526</b>	
FUS060 Sensor connection PCBA, Standard versions only, 1 pc.	<b>A5E02551331</b>		M16 x 1.5 cable gland set for FUS060 (M16) sensor connection, brass chrome, 2 pcs. and 2 pcs. blind • cables Ø 5 ... 9 mm (0.20" ... 0.35") • -20 ... +105 °C (-4 ... +221 °F)	<b>A5E02246369</b>	
FUS060 Sensor connection PCBA, ATEX version only, 1 pc.	<b>A5E02551334</b>		1/2" NPT cable gland set for FUS060 (NPT) sensor connection, 4 pcs. M16 bush to 1/2" NPT and 4 pcs. 1/2" NPT gray PA plastic glands • cables Ø 5 ... 9 mm (0.20" ... 0.35") • -20 ... +100 °C (-4 ... +212 °F)	<b>A5E02247877</b>	
M20 cable gland set for FUS060 (M20) power and output connection, gray PA plastic, 2 pcs. • cables Ø 6 ... 12 mm (0.24" ... 0.47") • -40 ... +100 °C (-40 ... +212 °F)	<b>A5E02246350</b>				

## Cables for FUS060

Description	Length m (ft)	Order No.
Coaxial cable for FUS060, (75 $\Omega$ , max. 70 °C (158 °F), black PVC) (2 pcs.)	3 (9.84)	<b>A5E00875101</b>
	15 (49.21)	<b>A5E00861432</b>
	30 (98.43)	<b>A5E01278662</b>
	60 (196.85)	<b>A5E01278682</b>
	90 (295.28)	<b>A5E01278687</b>
	120 (393.70)	<b>A5E01278698</b>
High temp. coaxial cable for FUS060; with 0.3 m brown PTFE high temp. transducer part, max. 200 °C (392 °F) and black PVC for remaining transmitter part with SMB plug, max. 70 °C (158 °F); (impedance 75 $\Omega$ )	3 (9.84)	<b>A5E00875105</b>
	15 (49.21)	<b>A5E00861435</b>
	30 (98.43)	<b>A5E01196952</b>
Special coaxial cable sets for low temperature cryogenic systems; with SMB plug for transmitter SITRANS FUS060, PTFE material, temp. -200 ... +200 °C (-328 ... +392 °F), impedance 75 $\Omega$ (2 pcs.)	10 (32.84)	<b>A5E02085593</b>
	15 (49.21)	<b>A5E03262088</b>
	30 (98.43)	<b>A5E02085644</b>
	40 (131.23)	<b>A5E02085649</b>

