Front-end displays FED-301 ... FED-5000
Graphic Touch Panels

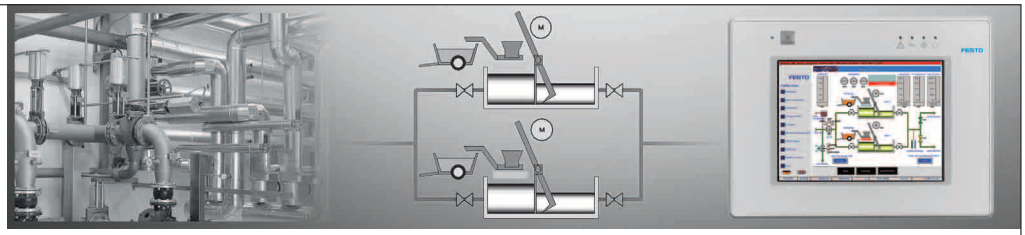
FESTO

The human-machine interfaces FED simplify the control of automation tasks at field level and set new standards in functionality and integration.

The touch screen displays FED-301 to 5000 with graphic user interfaces have added touch-sensitive displays (3.8 to 15" in size) to the original FED screens and buttons. The FED-40 to 90 with text display are an option for smaller tasks. They also offer an alternative to the CPX handhelds and integrated displays, as the FEDs feature a freely definable communications interface.

Multifunctional
The front-end display is the ideal solution, whether you need to control a single axis, a valve terminal application, a multi-axis handling system or a process automation system. And the Festo Designer Programming Tool makes project engineering extremely easy.

Versatile
The FED series includes display and operator panels with an array of functions and touch-screen input for convenient, on-site process control. The great range of versions offers solutions for almost any application.



Complex processes ... ... easily visualised ... ... with FED!

805.2.**PSI** →
Product Short Information

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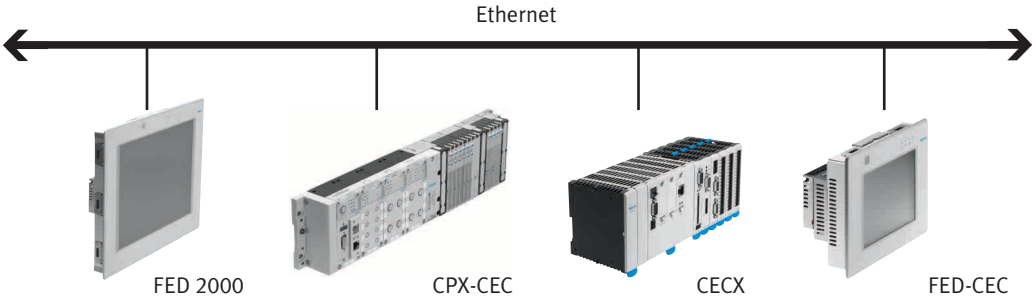
Technical data

	FED-301	FED-501	FED-400	FED-550	FED-770	FED-700	FED-1000	FED-2000	FED-3000	FED-5000
Type of display	Resistive touch panel									
Display	Monochrome LCD		TFT colour							
Display size	3.8"	5.6"	4.3" wide	5.7"	7" wide	7.5"	10.4"	12.1"	13.3" wide	15"
Resolution (pixels)	320 x 240		480 x 272	320 x 240	WVGA 800x480	VGA 640x480		SVGA 800x600	WXGA 1280x800	XGA 1024x768
No. of colours	Mono	8 grey levels	256	64 k						
Ethernet interface	Optional		Yes							
Serial interface	Yes									
USB interface	No		Yes							
Backup battery	Yes		Yes, re-chargeable	Yes	Yes, re-chargeable	Yes			Yes, re-chargeable	Yes
Real-time clock	Yes									
Operating voltage [VDC]	18 ... 30									
Working temperature [°C]	0 ... 50		0 ... 45							
Protection class	IP 65 (front side)									
Mounting	Control panel/control cabinet									
Certification (CE, C-tick, ...)	UL (OL)	UL (HL)	UL (OL)	UL (OL)	UL (OL)	UL (OL)	UL (HL)	UL (HL)	UL (OL)	UL (OL)
Integrated PLC (optional)	FED-CEC		FED-CECCAN							
Integrated I/Os (optional)	No			FED-UIM	No		FED-UIM		No	FED-UIM



Communications capability
CPX-CEC, CECX, FED-CEC and all FEDs (except FED-40) can communicate in an Ethernet network.

Functions
- Can be connected to all Festo controllers with FST an CoDeSys, serially or via Ethernet
- Trend display
- Recipe handling
- Multi-lingual projects with language changeover during operation
- Software allows upload of projects
- Import/export of texts for translation

Project engineering
- Very simple project engineering and programming with programming tool FED Designer.

Features at a glance
- Faster and easier commissioning; no need for programming of PLC program
- Easy-to-use WYSIWYG project engineering tool FED Designer
- Variable declaration can be imported from FST or CoDeSys controller program – no more duplication of work.
- Ethernet interface also allows use in networks with Festo controllers
- Graphics capability offers maximum flexibility in displaying processes and data
- Shorter project engineering times thanks to facility for re-use of objects (libraries with graphic elements)
- Generous storage capacity means almost unlimited number of graphics and texts can be displayed
- Ability to display complex processes
- Easy logging of all events and alarms
- Highly robust – metal housings allow use in harsh environments

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