



Subject to change without notice!
Rev. 0901

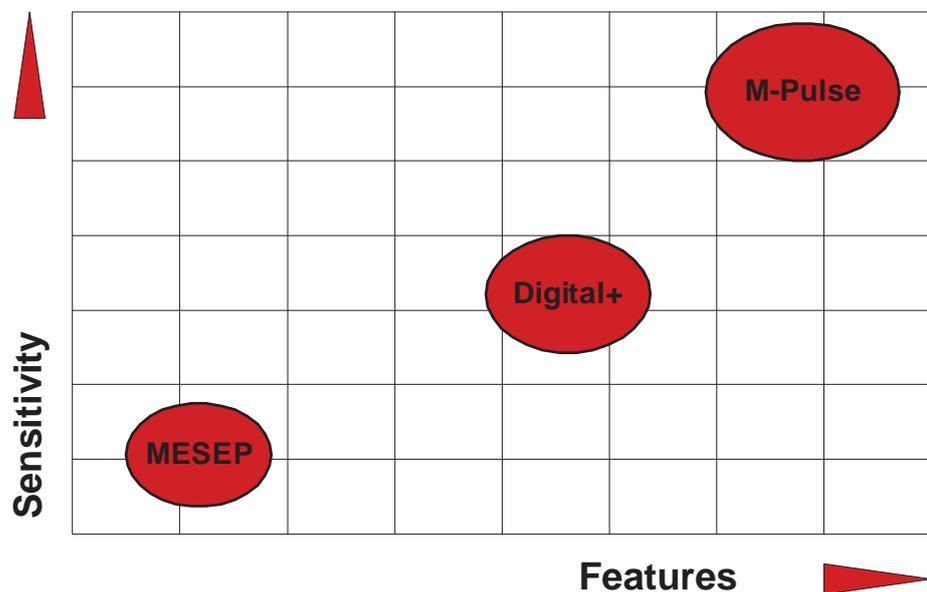
Control units

MESEP / Digital+ / M-Pulse

Overview

Different fields of application require accordingly adapted solutions. Pulsotronic provides the solutions for your application - not only for sensors but also for the corresponding operating electronics. We offer three different electronics:

- MESEP
- Digital+
- M-Pulse



Control unit

The simple MESEP-electronics works completely analog and is characterised by an easy handling. The Digital+ offers digital filters, evaluation and a high-sensitivity operating electronics with self-monitoring. The sensitivity is considerably higher as the MESEP-electronics. Furthermore it is possible to operate much more peripheral units. The display and the keyboard provide for concise and uncomplicated indication. The M-PULSE-electronics stands for highest sensitivity and equipment. Additionally to the functions of the Digital+ the M-PULSE permanently monitors the sensor. A multiprocessor system serves for signal analysis. Similar to the Digital+ the analysis is based on a high-sensitive HDC-IQ receiver (homodyn direct conversion quadrature receiver). Further optional components complete the M-PULSE-electronic perfectly. The connection to Ethernet oder WLAN for example is no problem. Alternative control units, signal transmitter oder printers are available.



Technical data - short overview

Type	MESEP	Digital+	M-Pulse
	Standard	→ High-End	
Function			
Signal generation	analog	digital	digital
Signal processing	analog	analog & digital	analog & digital
Signal analysis	analog	digital	digital
Self-monitoring	-	yes	yes
Sensor-monitoring	-	-	yes
Operating frequency	~100 kHz	50 - 650 kHz	50 - 650 kHz
Logging & real-time clock	-	-	yes
Product fade-out	-	yes (3 products)	yes (199 products)
Digital filter	-	yes	yes
Networking	-	-	Ethernet; WLAN; RS232/485
Operating elements	potentiometer	plastic foil keyboard (6 Keys)	plastic foil keyboard (11 Keys)
Display	LED	LED & LC-Display (2x20 characters)	LED & LC-Display (4x20 characters)
Transducer (optional)	-	1x sirene o. flashligh	1x sirene 2x flashligh
Interfaces	-	parallel interface (10 I/O)	parallel interface (34 I/O) 3x serial interface
External operating panels (optional)	-	-	M-Pulse Touchpanel M-Pulse Keypanel
Option to control a frequency converter	-	start / stop	start / stop speed
Perfomance validation system	-	-	yes
Password protection	-	yes (fix)	yes (configurable)

Further information is given in the data sheets of the particular operating electronics respectively of the particular devices and sensors. If you need any help choosing the right electronics, the right sensor or device, please feel free to contact our service department.