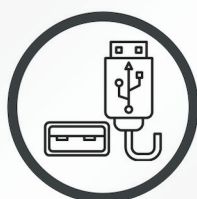
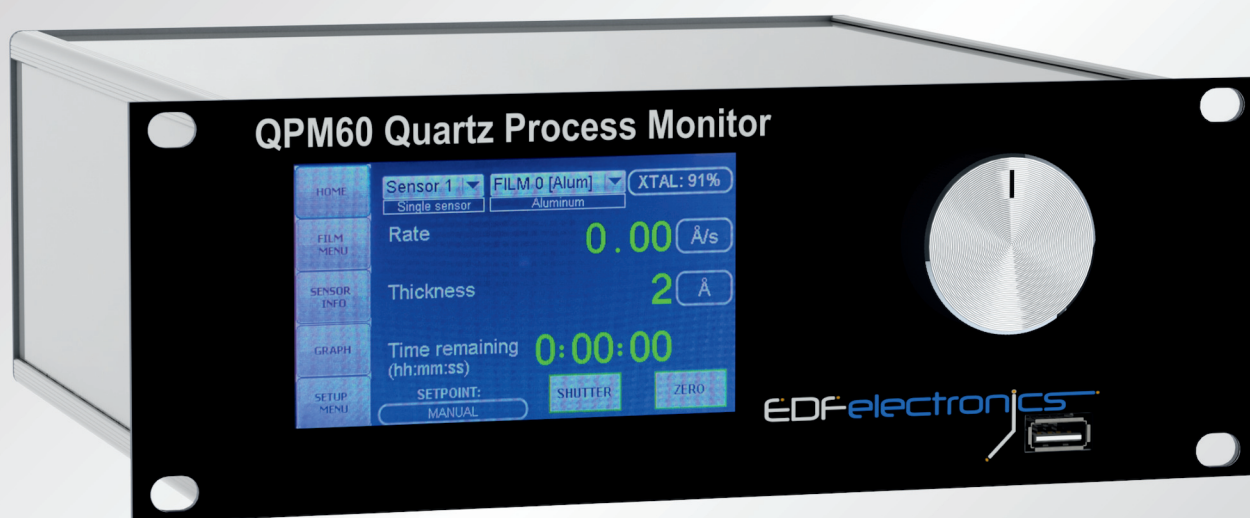


QPM60-4C

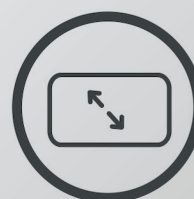
Quartz Process Monitor



Front panel USB port
for storage and
firmware upgrade



4 High resolution
measurements
channels



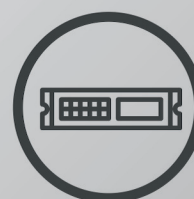
4.3" touch screen
graphical display



Weights only 3 kg

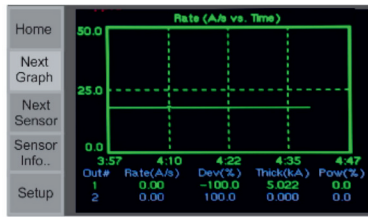


Stores up to 99
films



1/2-rack cabinet
mounting standard

QPM60-4C Specifications



Rate vs. Time Chart
subject to firmware option*

Home	Sensor #	1	2
Next Graph	Status	ON	ON
Next Sensor	Freq [Hz]	5952768.29	5852768.29
Sensor Info..	Life	92.99 %	98.65 %
Setup	Rate [A/s]	5.05	0.00
	Thickness [kÅ]	12.56	0.00
	Tooling	100%	80%
	Source Shutter	OPEN	CLOSED
	Sensor Shutter	OPEN	CLOSED

Sensor Info Menu

Home	Sensor 1	01: Aluminum
Film Menu	DENSITY	2.700 g/cm³
Sensor Menu	TOOLING	100 %
IO Menu	Z-FACTOR	1.080
System Menu	FINL THK	3.500 kÅ
	THK SET	3.500 kÅ
	TIME SET	05:30 mm:ss
	SAMPLE	0 sec
	HOLD	0 sec
	SENS AVG	disabled

Film Menu

Electrical	
Input voltage	4 channels
Frequency range	4 - 6.5 MHz
Frequency Resolution	± 0.01 Hz at 10 reading/sec
Frequency Stability	± 2 ppm total, over 0o to 50oC
Selectable Measurement Period	0.10 to 2 sec (in .05 sec increments)
Measurement Filter	1 to 20 readings with alpha-filter
Stored Films	99
Analog Outputs	6 outputs (0 to 10 VDC), rate & thickness, power
Digital Inputs/Outputs	4 inputs (5V), 8 relay outputs
Serial Interfaces	External: RS232 + Ethernet QMB6 Transducer: QMB6-U or QMB6-4; QMB6-PoE via external PoE
Front Panel Operation	4.3" touch screen display with rotary encoder
Power	100-240 VAC, 50/60 Hz, 20 W
CE Compliance	Class 1 equipment, 73/72/EEC LVD, 89/336/EEC ECD
Housing/Mounting	1/2-rack cabinet, 3-1/2" high
Weight	3.0 Kg
Windows Software (included)	Provides remote setup and operation, datalogging functions; operates also with SQM160 software

Additional options	
QM20-EO	External oscillator is required for each channel
BNC cable	Available lengths: 3m, 5m, and 10m

