

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Россия (495)268-04-70

Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Казахстан (7172)727-132

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Comparison of Digital Communications Protocols

Protocol	DeviceNet	EtherCAT	Fieldbus	HART	Profibus	RS485S	RS485L
CHARACTERISTICS							
Nodes	64	65535	240	15	127	16	16
Baud Rates	125K, 250K, 500K	100M	31.25K	1200	1200-12M	1200-115K	1200-115K
Message Size	8 Bytes	1500 Bytes	240 Octets (Bytes)	31 Bytes (plus data)	244 Bytes	24 Bytes	24 Bytes
Primary Topology	Multidrop with Branches	Ring	Multidrop with Branches	Star Point-Point	Multidrop Daisy Chain	Multidrop Daisy Chain	Multidrop Daisy Chain
Message Types	Master-Slave Poll, Explicit, Cyclic	Peer-Peer Pass Through	Peer-Peer Cyclic	Master-Slave Explicit	Master-Slave, Poll (DP-V0), Explicit (DP-V1)	Master-Slave Poll, Explicit	Master-Slave Poll, Explicit
Cabling	Pre-defined Cordsets	Std Ethernet RJ45	Pre-defined Cordsets	2-Wire (4-20mA)	Pre-defined Cordsets	Proprietary Cables	Proprietary Cables
Standards Org	odva.org	ethercat.org	fieldbus.org	hartcomm.org	profibus.com	N/A	N/A
AVAILABLE ON							
MASS FLOW CONTROLLERS							
SLA5800 Series (Revision B)	Y	Y	N	N	Y	Y	Y
SLA5800 Series (Revision A)			Y				
GF40, GF80/81	Y	Y	N	N	Y	Y	Y
GF1XX	Y	N	N	N	N	N	Y
Quantim Series	N	N	N	Y	N	N	N
VARIABLE AREA FLOW METERS							
MT3809 Series	N	N	Y	Y	N	N	N
VACUUM PRODUCTS							
XacTorr Series	Y	N	N	N	N	N	Y

EtherNet/IP™ Bus System Files

OVERVIEW

EtherNet/IP™ has become a driving force behind today's need for interconnectivity with the advent of Industry 4.0 and the Internet of Things (IoT), which demands seamless integration between the smallest sensor up to enterprise-level systems. Transforming data into useful knowledge that drives decisions and allows for better process control requires connectivity of all devices. This is possible via networks that support the EtherNet/IP™ protocol.

Relying on common Internet and Ethernet standards, EtherNet/IP™ is a high-speed industrial network protocol widely used in a range of industries. With the integration of the EtherNet/IP™ interface and the Brooks Instrument SLA Series mass flow controllers (MFCs), users have access to an array of MFC diagnostics and alarm features that provide robust, real-time process information. Click to learn more about the SLA5800 Series MFC with EtherNet/IP™, or for hose-down/wash-down applications, the SLAMf Series MFC with EtherNet/IP™.

Features

- **EtherNet/IP™ comes fully integrated** into the industry-leading SLA5800 and SLAMf Series MFC. No add-on adapter needed.
- **Compatible with Rockwell Automation (Allen Bradley) DCS software.** An enhanced device profile enabled in the SLA Series EDS file unlocks advanced features to facilitate setup and integration of the MFC into the Rockwell Automation (Allen Bradley) DCS/PLC.
- **Newly expanded, embedded diagnostic and alarm capabilities** provide pedigree, performance and reliability data from the MFC, enabling preventive maintenance that helps improve overall equipment effectiveness and flexibility.
- Brooks Instrument communication capabilities and device profiles have been **certified by the ODVA** (Open DeviceNet Vendor's Association) and the ITK (Interoperability Test Kit).

If you have any questions, please contact Technical Services or your local Brooks Instrument representative for assistance.

PROFINET Bus System Files

OVERVIEW

The PROFINET interface is available on Brooks Instrument SLA Series Mass Flow Controllers & Meters.

PROFINET is an Ethernet-based communications system for industrial automation applications built upon the IEEE 802 standards for Ethernet and is standardized in IEC 61158 and IEC 61784. PROFINET incorporates elements of TCP/IP communications standards and has defined its own messaging protocols to minimize latencies TCP/IP protocols introduce. This solution leverages the power of the internet and enterprise connectivity, combined with the functionality and comprehensive suite of messages and services for manufacturing automation applications.

Features

- **PROFINET comes fully integrated** into the industry-leading SLA5800 and SLAMf Series MFCs. No add-on adapter needed.
- **Compatible with Siemens** and other PLCs.
- **Newly expanded, embedded diagnostic and alarm capabilities** provide pedigree, performance and reliability data from the MFC, enabling preventive maintenance that helps improve overall equipment effectiveness and flexibility.
- SLA Series Mass Flow Controllers & Meters are a conformance class B PROFINET IO device and conform to PI specifications.

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	