

FLUICHEMICAL



EXOR
INTERNATIONAL

MKT/BR08-130233 - Exor reserves the right to make changes in the specifications of its proprietary products at any time without notice

Solid as a Rock eTOP 300



5 year warranty

EXOR INTERNATIONAL

GERMANY
Exor GmbH
Tel.: +49 202 27911 0
Fax: +49 202 27911 44
info@exor.de
www.exor.de

INDIA
Exor India Private Ltd.
Tel.: +91 022 27810422
Fax: +91 022 27810424
info@exorindia.com
www.exorindia.com

ITALY
Exor International S.p.A.
Tel.: +39 045 8750404
Fax: +39 045 8779023
info@exorint.it
www.exorint.it

SWITZERLAND
Exor Schweiz GmbH
Tel.: +41 55 6195807
Fax: +41 55 6195806
info@exorschweiz.ch
www.exorschweiz.ch

USA
Exor Electronic R&D
Tel.: +1 513 874 0900
Fax: +1 513 874 2707
info@exor-rd.com
www.exor-rd.com

EXOR
INTERNATIONAL

The UniOP eTOP 300 Series HMI

The UniOP eTOP Series 300 HMI products combine great features and performance with full compatibility with UniOP legacy products and UniOP Designer 6 software. They are the ideal choice to enhance your existing applications while preserving all of your application software investment.

- High-performance touchscreen HMI panels. Industry-standard resistive touch technology
- Brilliant displays with LED backlight technology
- Convenient and modern widescreen (16:9) displays
- Gateway function with multiple communication protocols
- More than a hundred communication protocols available
- Built-in Ethernet 10/100, USB host port and 2 multi-standard serial ports (RS-232, RS-422 and RS-485)
- Use USB Flash drives for updates and for data storage
- Optional plug-in modules for fieldbus and network communication. Supported networks are: CAN, Profibus DP, KNX
- Optional integrated PLC
- Available in three front colors (White/Black/Silver)
- Compact mechanical design with limited mounting depth
- All products with IP65 environmental rating
- UL approval
- Worldwide sales & service
- Five year warranty (or 30K operating hours) - Industry First!

Software Highlights

UniOP Series 300 Products are fully compatible with UniOP Designer 6 software

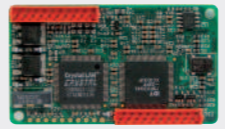
- Powerful and intuitive programming with the UniOP Designer 6 software
- Easily move applications from one display type to another
- Support of a wide range of communication drivers
- Dual-protocol communication capability. Exchange data between field devices
- Data display in numerical, text, bargraph, analog gauges and graphic image formats
- Dynamic object properties
- Vector graphic capabilities including the support of multiple layers and object transparency
- Import images in multiple graphic formats.
- Import DXF drawings
- Data acquisition and trend presentation. Save trend data to USB
- Recipe data storage. Save recipe data to USB
- Multilanguage applications with runtime language change
- Export/Import text of application with Designer for easier translation
- Powerful macro editor for user interface automation
- Alarms and historical alarm list
- Password protection
- Report printing to serial printer from HMI
- Designer 6 includes complete set of printing functions for documenting the application



Technical Data



	eTOP306	eTOP307	eTOP308	eTOP310	eTOP312	eTOP313	eTOP315
Display	5.7" TFT	7" TFT 16:9	7.5" TFT	10.4" TFT	12.1" TFT	13.3" TFT 16:9	15" TFT
Resolution	320x240, QVGA	800x480, WVGA	640x480, VGA	640x480, VGA	800x600, SVGA	1280x800, WXGA	1024x768, XVGA
Backlight	LED	LED	CCFL	CCFL	CCFL	LED	CCFL
Dimming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Colors	64K	64K	64K	64K	64K	64K	64K
Touchscreen	Analog resistive	Analog resistive	Analog resistive	Analog resistive	Analog resistive	Analog resistive	Analog resistive
User Memory	64 MB Flash	64 MB Flash	64 MB Flash	64 MB Flash	64 MB Flash	64 MB Flash	64 MB Flash
Serial	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable
Ethernet	10/100 Mbit	10/100 Mbit	10/100 Mbit	10/100 Mbit	10/100 Mbit	10/100 Mbit	10/100 Mbit
USB	Host interface, version 1.1	Host interface, version 1.1	Host interface, version 1.1	Host interface, version 1.1	Host interface, version 1.1	Host interface, version 1.1	Host interface, version 1.1
TrueType fonts	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alarms	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Historical Event List	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recipes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Multilanguage	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RTC	Yes, with battery back-up	Yes, with battery back-up	Yes, with battery back-up	Yes, with battery back-up	Yes, with battery back-up	Yes, with battery back-up	Yes, with battery back-up
Battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery
Power Supply	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)
Current Consumption	0.55A at 24 Vdc (max.)	0.6A at 24 Vdc (max.)	0.9A at 24 Vdc (max.)	1.2A at 24 Vdc (max.)	1.4A at 24 Vdc (max.)	1.4A at 24 Vdc (max.)	1.5A at 24 Vdc (max.)
Operating Temperature	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C	0 to 50 °C
Storage Temperature	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
Relative Humidity	5 - 85 % relative humidity, non-condensing	5 - 85 % relative humidity, non-condensing	5 - 85 % relative humidity, non-condensing	5 - 85 % relative humidity, non-condensing	5 - 85 % relative humidity, non-condensing	5 - 85 % relative humidity, non-condensing	5 - 85 % relative humidity, non-condensing
Weight	Approx 1.0 Kg	Approx 1.0 Kg	Approx 1.2 Kg	Approx 2.1 Kg	Approx 2.8 Kg	Approx 2.5 Kg	Approx 3.4 Kg
Faceplate LxH	187x147 mm (7.36x5.79")	187x147 mm (7.36x5.79")	232x187 mm (9.14x7.36")	287x232 mm (11.3x9.13")	336x267 mm (13.22x10.51")	336x267 mm (13.22x10.51")	392x307 mm (15.43x12.08")
Cutout AxB	176x136 mm (6.93x5.35")	176x136 mm (6.93x5.35")	221x176 mm (8.70x6.93")	276x221 mm (10.86x8.70")	326x256 mm (12.83x10.07")	326x256 mm (12.83x10.07")	381x296 mm (15x11.65")
Depth D+T	45+4 mm (1.77+0.16")	45+4 mm (1.77+0.16")	42+4 mm (1.65+0.16")	42+4 mm (1.65+0.16")	42+4 mm (1.65+0.16")	42+4 mm (1.65+0.16")	46+5 mm (1.81+0.20")
Protection Class (front)	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Protection Class (rear)	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Approvals	CE / cULus Class I, Div. 2	CE / cULus	CE / cULus Class I, Div. 2	CE / cULus Class I, Div. 2	CE / cULus Class I, Div. 2	CE / cULus	CE / cULus Class I, Div. 2

SCM05-C	PLC module with CoDeSys 2.x runtime. CANopen master interface	
TCM01 TCM02 TCM03 TCM04 TCM07 TCM08 TCM09 TCM17 TCM18	Add-on module for Siemens MPI (S7 300-400) Add-on module for Moeller Suconet K Add-on module for DeviceNet Add-on module for Interbus Add-on module for Siemens MPI (S7 300-400), without optoisolation Add-on module for Profibus DP slave 12 Mb Add-on module for CANopen Add-on module for KNX/EIB (TP interface) Add-on module for Profibus DP slave 1.5 Mb	