

Electronic pressure sensors

OsiSense XM

XMEP pressure transmitters for mobile equipments

With analogue output

Sizes in bar

XM-EX_522_CPSCT16005



XMEP060BD1F

XM-EX_522_CPSCT16004



XMEP060BT1F

XM-EX_522_CPSCT16002



XMEP100BV1F

XM-EX_522_CPSCT16001



XMEP250BJ1F

0 to 60 bar (0 to 870 psi)

Maximum permissible accidental pressure: 150 bar, destruction pressure: 300 bar

Analogue output type	Electrical connection	Reference	Weight kg
G 1/4 A DIN 3852-E (male) fluid connection			
4...20 mA	M12	XMEP060BD21F	0.095
	Deutsch DT04-3P	XMEP060BT21F	0.098
	AMP Superseal 1.5 3-pin	XMEP060BV21F	0.098
0...10 V	M12	XMEP060BD71F	0.095
	Deutsch DT04-3P	XMEP060BT71F	0.098
	AMP Superseal 1.5 3-pin	XMEP060BV71F	0.098
0.5...4.5 V ratiometric	M12	XMEP060BD11F	0.095
	Deutsch DT04-3P	XMEP060BT11F	0.098
	AMP Superseal 1.5 3-pin	XMEP060BV11F	0.098

0 to 100 bar (0 to 1450 psi)

Maximum permissible accidental pressure: 300 bar, destruction pressure: 600 bar

Analogue output type	Electrical connection	Reference	Weight kg
G 1/4 A DIN 3852-E (male) fluid connection			
4...20 mA	M12	XMEP100BD21F	0.095
	Deutsch DT04-3P	XMEP100BT21F	0.098
	AMP Superseal 1.5 3-pin	XMEP100BV21F	0.098
0...10 V	M12	XMEP100BD71F	0.095
	Deutsch DT04-3P	XMEP100BT71F	0.098
	AMP Superseal 1.5 3-pin	XMEP100BV71F	0.098
0.5...4.5 V ratiometric	M12	XMEP100BD11F	0.095
	Deutsch DT04-3P	XMEP100BT11F	0.098
	AMP Superseal 1.5 3-pin	XMEP100BV11F	0.098

0 to 250 bar (0 to 3625 psi)

Maximum permissible accidental pressure: 750 bar, destruction pressure: 1500 bar

Analogue output type	Electrical connection	Reference	Weight kg
G 1/4 A DIN 3852-E (male) fluid connection			
4...20 mA	M12	XMEP250BD21F (1)	0.095
	Deutsch DT04-3P	XMEP250BT21F (1)	0.098
	AMP Superseal 1.5 3-pin	XMEP250BV21F (1)	0.098
	AMP Junior Power Timer 3-pin	XMEP250BJ21F (1)	0.098
0...10 V	M12	XMEP250BD71F (1)	0.095
	Deutsch DT04-3P	XMEP250BT71F (1)	0.098
	AMP Superseal 1.5 3-pin	XMEP250BV71F (1)	0.098
0.5...4.5 V ratiometric	M12	XMEP250BD11F (1)	0.095
	Deutsch DT04-3P	XMEP250BT11F (1)	0.098
	AMP Superseal 1.5 3-pin	XMEP250BV11F (1)	0.098
	AMP Junior Power Timer 3-pin	XMEP250BJ11F (1)	0.098

(1) Sold in lots of 25: add the letter Q to the end of the selected reference.
For example, XMEP250BD21F becomes XMEP250BD21FQ.

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XM-EX_522_CPSCT16005



XMEP400BD21F

XM-EX_522_CPSCT16004



XMEP400BT21F

XM-EX_522_CPSCT16002



XMEP400BV21F

XM-EX_522_CPSCT16001



XMEP400BJ21F

0 to 400 bar (0 to 5800 psi)

Maximum permissible accidental pressure: 1200 bar, destruction pressure: 2400 bar

Analogue output type	Electrical connection	Reference	Weight kg
G 1/4 A DIN 3852-E (male) fluid connection			
4...20 mA	M12	XMEP400BD21F (1)	0.095
	Deutsch DT04-3P	XMEP400BT21F (1)	0.098
	AMP Superseal 1.5 3-pin	XMEP400BV21F (1)	0.098
	AMP Junior Power Timer 3-pin	XMEP400BJ21F (1)	0.098
0...10 V	M12	XMEP400BD71F (1)	0.095
	Deutsch DT04-3P	XMEP400BT71F (1)	0.098
	AMP Superseal 1.5 3-pin	XMEP400BV71F (1)	0.098
0.5...4.5 V ratiometric	M12	XMEP400BD11F (1)	0.095
	Deutsch DT04-3P	XMEP400BT11F (1)	0.098
	AMP Superseal 1.5 3-pin	XMEP400BV11F (1)	0.098
	AMP Junior Power Timer 3-pin	XMEP400BJ11F (1)	0.098

0 to 600 bar (0 to 8700 psi)

Maximum permissible accidental pressure: 1500 bar, destruction pressure: 2400 bar

Analogue output type	Electrical connection	Reference	Weight kg
G 1/4 A DIN 3852-E (male) fluid connection			
4...20 mA	M12	XMEP600BD21F	0.095
	Deutsch DT04-3P	XMEP600BT21F (1)	0.098
	AMP Superseal 1.5 3-pin	XMEP600BV21F	0.098
0...10 V	M12	XMEP600BD71F (1)	0.095
	Deutsch DT04-3P	XMEP600BT71F	0.098
	AMP Superseal 1.5 3-pin	XMEP600BV71F	0.098
0.5...4.5 V ratiometric	M12	XMEP600BD11F	0.095
	Deutsch DT04-3P	XMEP600BT11F	0.098
	AMP Superseal 1.5 3-pin	XMEP600BV11F	0.098

(1) Sold in lots of 25: add the letter Q to the end of the selected reference.
For example, XMEP400BD21F becomes XMEP400BD21FQ.

Electronic pressure sensors

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XMEP pressure transmitters for mobile equipments

With analogue output

Sizes in psi

XMEX_522_CPSCT16003



XMEP●K●PT●30

0 to 1000 psi (0 to 69 bar)

Maximum permissible accidental pressure: 2200 psi, destruction pressure: 4400 psi

Analogue output type	Electrical connection	Reference	Weight kg
1/4" - 18NPT (male) fluid connection			
4...20 mA	Deutsch DT04-3P	XMEP1K0PT230	0.098
0...10 V	Deutsch DT04-3P	XMEP1K0PT730	0.098
0.5...4.5 V ratiometric	Deutsch DT04-3P	XMEP1K0PT130	0.098

0 to 3000 psi (0 to 207 bar)

Maximum permissible accidental pressure: 9000 psi, destruction pressure: 18,000 psi

Analogue output type	Electrical connection	Reference	Weight kg
1/4" - 18NPT (male) fluid connection			
4...20 mA	Deutsch DT04-3P	XMEP3K0PT230	0.098
0...10 V	Deutsch DT04-3P	XMEP3K0PT730	0.098
0.5...4.5 V ratiometric	Deutsch DT04-3P	XMEP3K0PT130	0.098

0 to 5000 psi (0 to 345 bar)

Maximum permissible accidental pressure: 15,000 psi, destruction pressure: 30,000 psi

Analogue output type	Electrical connection	Reference	Weight kg
1/4" - 18NPT (male) fluid connection			
4...20 mA	Deutsch DT04-3P	XMEP5K0PT230	0.098
0...10 V	Deutsch DT04-3P	XMEP5K0PT730	0.098
0.5...4.5 V ratiometric	Deutsch DT04-3P	XMEP5K0PT130	0.098

0 to 7500 psi (0 to 517 bar)

Maximum permissible accidental pressure: 18,750 psi, destruction pressure: 30,000 psi

Analogue output type	Electrical connection	Reference	Weight kg
1/4" - 18NPT (male) fluid connection			
4...20 mA	Deutsch DT04-3P	XMEP7K5PT230	0.098
0...10 V	Deutsch DT04-3P	XMEP7K5PT730	0.098
0.5...4.5 V ratiometric	Deutsch DT04-3P	XMEP7K5PT130	0.098

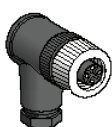
Electronic pressure sensors

OsiSense XM

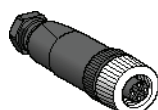
XMEP pressure transmitters for mobile equipments
Separate parts



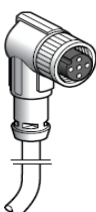
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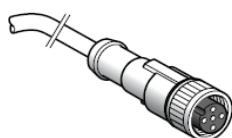
XZCC12FCM40B



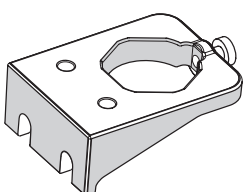
XZCC12FDM40B



XZCP1241L5



XZCP1141L10



XMLZL017

Switches with display for pressure transmitters (1)

Analogue output type	Solid-state output type	Switching mode	Reference	Weight kg
4...20 mA	1 x PNP	Hysteresis	ZMLPA1P2SH	0.104
		Window	ZMLPA1P2SW	0.104
	1 x NPN	Hysteresis	ZMLPA1N2SH	0.104
		Window	ZMLPA1N2SW	0.104
–	2 x PNP	Hysteresis	ZMLPA2P0SH	0.104
–	2 x NPN	Hysteresis	ZMLPA2N0SH	0.104

Connection accessories (2)

Description	Type	Reference	Weight kg
M12 female connector metal clamping ring (3)	Straight	XZCC12FDM40B	0.020
	Elbowed	XZCC12FCM40B	0.020

Description	Cable length	Cable material	Reference	Weight kg
Pre-wired M12, straight, female connectors	2 m	PUR	XZCP1141L2	0.090
		PVC	XZCPV1141L2	0.110
	5 m	PUR	XZCP1141L5	0.190
		PVC	XZCPV1141L5	0.210
	10 m	PUR	XZCP1141L10	0.370
		PVC	XZCPV1141L10	0.390
Pre-wired M12, elbowed, female connectors	2 m	PUR	XZCP1241L2	0.090
		PVC	XZCPV1241L2	0.110
	5 m	PUR	XZCP1241L5	0.190
		PVC	XZCPV1241L5	0.210
	10 m	PUR	XZCP1241L10	0.370
		PVC	XZCPV1241L10	0.390

Mounting accessory

Description	For use with	Reference	Weight kg
Fixing bracket (aluminium)	All XMEP transmitters	XMLZL017	0.029

(1) ZMLP switches are compatible with pressure transmitters with 4...20 mA analogue output and M12 connector. See XMEP●●0BD21F pressure transmitters with male M12 connector (pages 40 and 41).

(2) For XMEP●●●●D●● pressure transmitters with male M12 connector.

(3) Connector with screw terminal connections.