

Service repair centers and spare parts

For analytical measurement, instruments, drives and control technology



Alarm signaling units	
• RMG 19, TES 20	RAT
Analytical measurement (see "Gas analyzer")	
Automation system (see „Control system“)	
Axodyn-Servodrives (see "Drives for AC, DC and servo motors")	
Barriers & Isolators	
• TZN 124, 128, 129, Contrans I	RAT
Capacitor connection unit for actuators	
• REA..., T-A for modulating control actuators	MI
Concentration meter	
• Sonokon	GÖ
Control system (components)	
• Contronic CE, C3 (PG 65, 66)	MI
• Contronic	RAT
• Digimatik, Freelance 2000, S800, S900 AC 700F, AC 800F, AC 900F, AC 800M	RAT
• Freelance 800F	RAT
• Melody CMC50-X, CMC60-2, CMC70-X, CCO30-X, CCC...	RAT
• Network components, Multi Barriers MB204	RAT
• Symphony, Melody, AC 870P, Maestro UX	RAT
Control valves	
• 23/06, 23/16, 23/17, 23/23, 23/25, 23/26 (F&B)	MI
• ARCA, DAUME, HORA, OHL	MI

Controller (see also "Positioners")	
• Bitric, Contric, Motric	RAT
• C1, CM1..., 24/80...82	RAT
• Digitric 100, 500, P, ZDK	RAT
• Pneumatic	RAT
• Protronic 500, 550, 100, PS, PE, PA	RAT
Converters (see "Drives for AC, DC and servo motors")	
Converters (see "Signal converters")	
Differential pressure devices (orifices) PG 14	MI
Drives for AC, DC and servo motors	
• Converters DCP, DCS, DCV, CAN, ACN	LAD
• Frequency converters types ACP, ACS, ACV, SAMI	LAD
• Servo drives production Baldor	LAD
• Servo drives types ACSM1, DPH, DRH, DSH, DKH, DKR, DKL, DKM, SDS, ACP, E 100	LAD
• Softstarter PSS, PST / PSTB	LAD
• VERITRON-types PAD, PSD, AAD, ASD, HPD	LAD
Electrical actuators	
• Linear actuators LME, RS, RSB, RSD	MI
• Rotary actuators PME, RH, RHB, RHD, RST, ST	MI
Electromagnetic flowmeters	GÖ
Flow simulator	
• 55XC...	GÖ

Flowmeters	
• Electromagnetic flowmeters	GÖ
• Mass	
Sensyflow VT (PG 14)	GÖ
Triomass	GÖ
Trumass	GÖ
• Mass flowmeter Coriolis	
FCB1..., FCB3..., FCB4..., TRUMASS 10MM1000,	
TRIOMASS MC1, MC2	
COPA-XM, COPA-XE, DE4..., DL2..., DS4...,	
DS2..., DP4..., FEP..., FEH..., SE4..., SE2...	GÖ
• Primaries: 10D14..., 10D2..., 10D3..., COPA-X	GÖ
• Quantity: series 1000... 5000 (induktiv, Drall-, Vortex-)	GÖ
• Swirl flowmeters: 10SG/L1000,	
10SG/L3000, 10SG/L5000, FSS4..., FST4...,	
TRIO-Swirl VT/R4000	GÖ
• Transmitters: 50D1..., 50ED..., 50DK1..., 50DK3...,	
DC2, FCT1..., FCT3..., FCT4..., FET..., ME2...,	
S4..., XP2... XM1000, XM2000, XE4000,	
SM1000, ES7000	GÖ
• Variable area flowmeters: 10A1..., 10A3...,	
10A6..., 10A546..., AM54...	GÖ
• Vortex flowmeters: 10VL1000, 10LV3000,	
10VT/R1000, 10VM1000, 10VM1000, FSV4...,	
TRIO-WIRL VT/R4000	GÖ
Frequency converter (see "Drives for AC, DC and servo motors")	
Galvanic isolators	
• TET105, 106, Contrans II I/O Module	RAT
Gas analyzer PG 20, 21, 24	
• Advance Optima, AO2000, AO2020, AO2040, AO2060	FFM
• Caldos 5, 7, 15, 17, 25, 27	FFM
• CGEX M1 (Ex-warning device)	FFM
• EasyLine, EL3000, EL3020, EL3040, EL3060,	
EL3010-c, EL6010, EL1020	FFM
• FID, Compur-, Micro-, Multi-FID, 100, -E17, -14, -24	FFM
• Laser LS25, LS4000	FFM
• Limas 11, 21, 23	FFM
• Magnos 3, 5, 6, 7, 16, 17, 27, 28, 106, 206	FFM
• Radas 2	FFM
• SC- Block	FFM
• Uras 3, 4, 10, 14, 26	FFM
• ZO23	FFM
Gas chromatography PG 26	
• FTIR-Spectrometer 9100, 9200	FFM

Gas conditioning PG 23	
• Advance SCC, SCC-C, CGEK 4, 5, 6 (sample gas cooler)	FFM
• CAWB 1, 13, CGWB., TBL 01 (sample gas pipe)	FFM
• CGKA 1, 2, MKA1 (condensate drain)	FFM
• CGMF1, 11, SCC-E, SCC-F (sample gas feed unit)	FFM
• Pressure reducers (bottle-, process-)	FFM
• sample gas probes 1...13, 40, 42, 60	FFM
• HÄWA-cooling unit, Null-Luft-Generator	FFM
• Converter NO/NO ₂ , SCC-K	FFM
• condensate trap	FFM
• Diaphragm pump 2, 3N, 4N	FFM
• Ring heater	FFM
• Tubular furnace, Jumo-controller	FFM
Indicators	
• AA... for differential pressure, flowrate, level (PG 15)	MI
• Alarm units GS 30, GS 96x24 (PG 3.)	GÖ
• Datavis A, B (PG 3.)	GÖ
• Field indicators 96...	GÖ
• Indicomp 4 (PG 3.) (spare parts -> MI)	GÖ
• Indicomp A 2000... (PG 60)	RAT
• Panel-mounted indicators F..., H..., Q... (PG 3.)	GÖ
Integral orifice assembly PG 15	
Linear actuators (see "Electrical actuators")	
Modem	
• for communication with intelligent field devices	MI
Motors for electrical actuators (CONTRAC)	
• DFT..., EM...	MI
• M 0053 ... M 2403..., MC 163 ... MC 2403	MI
• MCS...	MI
Pick ups PG 14 (see also "Flowmeters")	
• ENI, NM ..., 482/485 for rotational speed	GÖ
Position transmitter for electrical actuators	
• "A-Sensor", SP1 (for CONTRAC)	MI
• d..., RI..., S2..., S4..., w..., 4k (for conventional electrula actuators)	MI
Positioners	
• 23/55, 23/57	MI
• EDP 300	MI
• TZID, TZID Exd, TZID-F, TZIDC-..., TZIM	MI
• TZIR, TZIRD, TZIS, TZISD	MI
Power electronics for electrical actuators	
• EA., EB. (for CONTRAC)	MI
• KE..., SE 1 (for conventional electrical actuators)	MI
• PD ..., PE .. (for conventional electrical actuators)	MI
Pressure reducers (see "Gas conditioning")	
• Precision reducer 24/01, 24/03 (PG 13)	FFM
• Reducing station 11/03	FFM
Pressure sensors (see "Transmitters: pressure")	
Process control system (see "control system")	

Pulp and paper testing (Lorentzen & Wettre / KPM)	
• Automated paper test devices	RAT
• Laboratory instruments	RAT
• process optimization devices	RAT
• pulp quality devices	RAT
Recorders	
• ALU.. (Alarmumsetzer) (spare parts -> MI)	GÖ
• ARH.., ARU.. (spare parts -> MI)	GÖ
• Arucomp ... (spare parts -> MI)	GÖ
• Arucomp EK-Ex (spare parts -> MI)	GÖ
• Linecomp.. (spare parts -> MI)	GÖ
• Linemaster.. (spare parts -> MI)	GÖ
• Minicomp.. (spare parts -> MI)	GÖ
• Multavi 50, 51, 61, 63	
• M (incl. range modules) (spare parts -> MI)	GÖ
• Pointmaster.. (spare parts -> MI)	GÖ
• Polycomp.. (spare parts -> MI)	GÖ
• Sensycon 03/02, 03/04...03/10 (spare parts -> MI)	GÖ
• Sensycon 03/16, 03/17, 03/19, 03/21, 03/24 (spare parts -> MI)	GÖ
Reference junction thermostat	
• TTY 65, TTY 125, TTY 245	RAT
Relais (PG 86)	
	MI
Rotary actuators (see "Electrical actuators")	
Servo drives	
	LAD
Servo motors (all kinds) also 3rd party (Power range over 10 kW on request)	
• AC-Servo motors types QK, QS, SDM 301 / 601 / 603	LAD
• DC-Servomotors types F, M, MC, MD, RE, RS, RT, RX, UGTMEM, Isoflux, Hytork T	LAD
• Servo motors Baldor BSM, BSD LC, LD, LS, LX, KSY, SDM 251 / 261 / 281	LAD
Signal converters	
• TEIP11, TEIP11-PS, TEPI 11, 22/06, 22/08	MI
Signalling units (see "Compact signalling units")	
Swirl (see "Flowmeters")	
Swirl flowmeters (see "Flowmeters")	
Temperature sensors	
• Resistance temperature detectors incl. insets and protection tubes	MI
• Thermocouples incl. insets and protection tubes	MI
Transient overvoltage protection	
• for AVL-transmitters (PG 15)	MI
Transient overvoltage protection PG 15 for AVL-transmitters	
	MI

Transmitter (see also "Flowmeters")	
• Absolute pressure / Differential pressure (PG 15)	
AE., AF., AMD, AR., AS., AV.	MI
AX., AZ., TDE, 152, 157, 159	MI
2010 TA, 2010 TD, 2020 TA, 2020 TG	MI
261.., 264.., 265.., 266.., 268.., 364..	MI
50DPF.., 50DPP.., 50EP..	MI
DPX, PTS..	MI
• Angular position (PG 14):	
TGE .., TGM .., TGNE .., TGS .., TGU .., TZG 24, TGSE, TGS 40	RAT
• Current / pulse converter	
TZIF3, TZIF4	RAT
• Flow (see also "Flowmeters")	
AE., AF., AR., AS., AV., TVE, 152 (PG 15)	MI
2010 TC, 2010 TD (PG 15)	MI
264.., 265.., 266.., 267.., 269.. (PG15)	MI
50DPF..	MI
DPX, PTS..	MI
ECO I+II, FS 2000, Sensyflow-D, Sensyflow-P, VT, VTC	GÖ
• Frequency (see "Rotational speed")	
• Gauge pressure (see "absolute/differential pressure")	
21/13, 21/14, 21/15, 21/16, 21/21, 21/51	MI
261...	MI
ETP.. (PG 13)	MI
Deltapi-K -, Deltapi-N - Serie (pn.)	RAT
• Level (PG 15)	
AE., AF., AMD, AR., AS., AV., AZ., 152 (PG 15)	MI
2010 TD, 2020 TG (PG 15)	MI
261.., 264.., 265.., 266.., 268..	MI
50DPF.., 50DPP.., 50EP.., 50DPL..	MI
DPX	MI
PTS..	MI
• Power transducers	
Power 50 / Contrans SU	RAT
A, ET.., K.., M, P, SU, V.., PTA, PTV, PTM, PTK	RAT
• Rotational speed ENM 3, ENM4, TZFI 2, TZFI 3	RAT
• Temperature	
Contrans I	RAT
TEU 421, 471, 315, 325, 310, 411, 211, 6	RAT
TH.., TF.., TR.., TS...	MI
TTH 200, TTH 300, TTF 300, TTF 350, TTR 200	MI
TRIOMASS (see "Flowmeters")	
TRUMASS (see "Flowmeters")	
TYRAK converter (see "Drives for AC, DC and servo motors")	
Universal Measuring Computer	
• SensyCal FCU200-W	GÖ
• TZA 301...308, TZA 4, TZA 401	RAT
Variable area flowmeters (V/A-meter) (see "Flowmeters")	
VERITRON DC-converters (see "Drives for AC, DC and servo motors")	
Vortex flowmeters (see "Flowmeters")	

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