REFRACTOMETRIC MONITOR UR60

Technical Data Sheet no. 90034H1230

TECHNICAL-NORMATIVE SPECIFICATIONS

Environmental features

Temperature limits:

Environment: -10...+45 °C (14...113 °F) protected from direct sunlight when used in outdoor applications.

Storage: -20...+70 °C (-4...+158 °F).

Humidity limits:

Environment: 5%...95% (R.H without condensate):

Storage: 5%...95% (R.H without condensate):

Altitude limits: <2000 m above sea level

Degree of Protection: IP67 in accordance with EN60529 with connector/safety device inserted

Conformity to Directives

EMC: 2004/108/EEC and subsequent amendments

EC: REGULATION 1935/04/EC

* CE marking of conformity to EU Directives.

OPERATING SPECIFICATIONS

Application: Measurement of liquid products on process lines in food, chemical, textile, petrochemical industries etc., during continuous or batch production.

Type of measurement: Continuous monitoring of the Refractive Index with conversion into "BRIX" or "USER" scale and alarm signals for measurements of relative concentration with temperature compensation already applied.

Measurement limits: 1.3170…1.4907 nD (0…80 Brix)

Extent of range: 0.1737 nD (80 Brix)

Accuracy of setup: ±0.50 Brix or equivalent for USER scale.
The Brix values provided refer to standard sucrose solutions.

Measurement scales: “BRIX” or "USER": the "BRIX" scale is based on the nD/Bx ICUMSA conversion table (1974); the "USER" scale can be configured during the ordering phase.

Product temperature during measuring: -5...+90 °C (23...194 °F) with automatic compensation for temperature measured by internal Pt1000 Temperature Probe, Class "A" (IEC-751). The maximum value depends on the type of installation (totally or partially immersed, conditioning system if installed, etc.) For product temperature higher than 70 °C (158 °F) the max insertion of the instrument is 30 mm.

Maximum temperature during sanitization: hot water 95 °C (203 °F) for 30’ / steam (0.5 bar) 110 °C (230 °F) for 30’.

Response time to variations in temperature: 2’ / 10 °C (18 °F)

Relative line pressure: max. 10 bar (145 psi) at 20 °C (68 °F)
max. 8 bar (116 psi) at 90 °C (194 °F)

GENERAL SPECIFICATIONS

Power supplies

Electric: AC 24V ±10%, 50...60Hz, 80mA
DC 24V ±10%, 80mA

Connection box without Transformer (optional):
Power supply according to UR60 specifications.
Terminal board connection.

Connection box with Transformer (optional):
L/N/PE AC 85…264V 50…60Hz 24W.
Terminal board connection.

Pneumatic (only if equipped with automatic cleaner):
Dehydrated air 4...8 bar (58... 116 psi).
Connection using “Quick-fit Attachment" for tube (diameter 6x4 mm).

Interfaces

Digital: RS485 for connection to programming PC.

Outputs: 2 relay outputs (alarm condition signaling) + 1 relay output for cleaning system control with DC/AC 24V/500mA contacts.

All power supply and signal connections are made via a metal circular M12 twelve-pole connector installed on the instrument; a shielded multipolar cable with twelve-pole flying connector is provided for external connection.

CONSTRUCTION FEATURES

Execution: AISI 316 stainless steel Enbloc casing for installation on the process line by means of the special adapter.

Measurement section:

- Spinel measurement prism.
- Electronically compensated LED light source.
- CCD sensitive element with 2546 pixels.
- Pt1000 temperature probe inside the appliance.
- Integrated prism cleaning system with electric actuator.

The optical section of the equipment is dehumidified by means of molecular sieve desiccant sachets.

Electronic section:-
- Central “CPU" unit with microprocessor which can be programmed with the special "Utility Software" for setup and configuration of the alarm threshold values, relative hysteresis, resetting and scale changeover.
- Internal temperature/humidity sensor for continuous temperature readings and the detection of humidity with relative alarm signaling.

Parts in contact with the product:
- Structure in AISI 316 stainless steel
- O-ring in Kalrez 6230 (Kalrez 6375 or 6380 on request) and Viton FKM 75.5.
- Spinel measurement prism.

Dimensions and weight: ∅38.5 (b) x 173 (d), 500 g

ACCESSORIES

- AISI 316 stainless steel fitting for installation on the line or in by-pass with Tri-Clamp® fittings or fittings of a different type to be defined depending on the application.
- Conditioning system for forced circulation of cooling air.
- UMPC complete with RS485-USB adapter for use when setting up the values and alarm modes and for calibration and measurement scale selection, if envisaged in the purchase order.

REFRACTOMETRIC ANALYZER UNIT UR62

Technical Data sheet n° 90034H1250

TECHNICAL-NORMATIVE SPECIFICATIONS

Environmental features

Temperature limits:

Environment: -10...+45 °C (14...113 °F) protected from direct sunlight when used in outdoor applications.

Storage: -20...+70 °C (-4...+158 °F).

Humidity limits:

Environment: 5%...95% (R.H without condensate):

Storage: 5%...95% (R.H without condensate):

Altitude limits: <2000 m s.l.m.

Degree of Protection: IP67 in accordance with EN60529 with connector/safety device inserted

Conformity to Directives

EMC: 2004/108/EEC and subsequent amendments

EC: REGULATION 1935/04/EC

* CE marking of conformity to EU Directives.

OPERATING SPECIFICATIONS

Application: Measurement of liquid products in process lines in Food, Chemicals, Textiles, Petrochemical industries, etc. in continuous or batch plants.

Type of measurement: Continuous measurement of the Refractive Index with conversion into "BRIX" or "USER" scale of the relative concentration with temperature compensation already applied.

Measurement limits: 1.3170…1.4907 nD (0…80 Brix)

Extent of range: min. 0.0642 nD – max. 0.1577 nD
min. 30 Brix – max. 80 Brix.

Accuracy: 0.6% of the range; maximum accuracy ±0.0004 nD (±0.20 Brix) with minimum range.
The Brix value provided refers to standard sucrose solutions.

Measurement scales: “BRIX” or “USER”; the “BRIX” scale refers to the nD/Bx ICUMSA (1974) conversion tables; the “USER” scale can be configured at the time of the order.

Resolution: 0.2 Brix or equivalent.

Product temperature during measuring: -5...+90 °C (23...194 °F)
with automatic compensation for temperature measured by internal Pt1000 Temperature Probe, Class "A" (IEC-751). The maximum value depends on the type of installation (totally or partially immersed, conditioning system if installed, etc.)
For product temperatures over 70°C (158°F) maximum immersion of the instrument must be 30 mm.

Maximum temperature during sanitization:
hot water at 95 °C (203 °F) for 30’ / steam (0.5 bar) at 110 °C (230 °F) for 30’.

Response time to temperature variations:
2’ / 10 °C (18 °F)

Relative line pressure:
max. 10 bar (145 psi) a 20 °C (68 °F)
max. 8 bar (116 psi) a 90 °C (194 °F)

GENERAL SPECIFICATIONS

Power supplies

Digital: AC 24V ±10%, 50...60Hz, 80mA
DC 24V ±10%, 80mA

Connection box without Transformer (optional):
Power supply according to UR62 specifications.
Terminal board connection.

Connection box with Transformer (optional):
L/N/PE AC 85…264V 50…60Hz 24W.
Terminal board connection.

Pneumatic (only if equipped with automatic cleaner):
Dehydrated air 4...8 bar (58... 116 psi).
Connection using “Quick-fit Attachment" for tube (diameter 6x4 mm).

Interfaces

Analog: 4…20mA on 470Ω / proportional “step” type with 0.20 Brix resolution (optional).

Digital: RS485 for connection to programming PC or Remote Control Repeater RC24.

Outputs: 2 relay outputs (alarm condition signaling) + 1 relay output for cleaning system control with DC/AC 24V/500mA contacts.

All power supply and signal connections are made via a metal circular M12 twelve-pole connector installed on the instrument; a shielded multipolar cable with twelve-pole flying connector is provided for external connection.

CONSTRUCTION FEATURES

Execution: AISI 316 stainless steel Enbloc casing for installation on the process line by means of the special adapter.

Measurement section:

- Spinel measurement prism.
- Electronically compensated LED light source.
- CCD sensitive element with 2546 pixels.
- Pt1000 temperature probe inside the appliance.
- Integrated prism cleaning system with electric actuator.

The optical section of the equipment is dehumidified by means of molecular sieve desiccant sachets.

Electronic section: Central “CPU" unit with microprocessor which can be programmed with the special "Utility Software" for setup and configuration of the alarm threshold values, relative hysteresis, resetting and scale changeover.

- Internal temperature/humidity sensor for continuous temperature readings and the detection of humidity with relative alarm signaling.

Parts in contact with the product:

- Structure in AISI 316 stainless steel
- O-ring in Kalrez 6230 (Kalrez 6375 or 6380 on request) and Viton FKM 75.5.
- Spinel measurement prism.

Dimensions and weight:

∅38,5 (b) x 173 (d), 500 g

ACCESSORIES

- AISI 316 stainless steel fitting for installation on the line or in by-pass with Tri-Clamp® fittings or fittings of a different type to be defined depending on the application.

Conditioning system for forced circulation of cooling air.

TECHNICAL-NORMATIVE SPECIFICATIONS

Environmental Features

Temperature limits:

Environment: -10...+45 °C (14...113 °F) protected from direct sunlight when used in outdoor applications.

Storage: -20...+70 °C (-4...+158 °F).

Humidity limits:

Environment: 5%...95% (R.H without condensate)

Storage: 5%...95% (R.H without condensate).

Altitude limits: <2000 m a.s.l.

Degree of Protection in accordance with: EN60529:

IP65 - RC24 Remote Control Repeater
IP67 - UR62 Refractometer Unit, with connector/protection inserted.

Conformity to Directives

EMC: 2004/108/EEC and subsequent amendments

CE: REGULATION 1935/04/EC (Refractometric Unit)

* CE marking of conformity to EU Directives.

OPERATING SPECIFICATIONS

Application: The concentration measurement assembly is a kit made up of a sensor for in-field monitoring and a Remote Repeater. It is used for those specific refractometric applications which do not require a high level of accuracy and where the sensor is not used as a measuring element in a modulating control system, but can be inserted in an ON/OFF regulation loop within the limits of its accuracy.

Type of measurement: Continuous measurement of the Refractive Index with conversion into "BRIX" or "USER" scale of the relative concentration with temperature compensation already applied, proportional analog “step” output (4…20mA) 0.2 Brix or equivalent.

RC24 function:

A) Interfacing with UR62 Analysis Unit with possible display, calibration, diagnostics and operating parameter setting options.

C) Activation of two programmable alarm contacts.

D) Acquisition of two programmable input contacts

E) Management of 3 serial outputs one of which is personalizable via HMS module.

Measurement limits: 1.3170…1.4907 nD (0…80 Brix)

Extent of range: min. 0.0642 nD – max. 0.1577 nD
min. 30 Brix – max. 80 Brix.

Accuratezza: 0.6% of the range; maximum accuracy ±0.0004 nD (±0.20 Brix) with minimum range.
The Brix value provided refers to standard sucrose solutions.

Measurement scales: “BRIX” or “USER”; the “BRIX” scale refers to the nD/Bx ICUMSA (1974) conversion tables; the “USER” scale can be configured at the time of the order.

Product temperature during measuring: -5...+90 °C (23...194 °F) with automatic compensation for temperature measured by internal Pt1000 Temperature Probe, Class "A" (IEC-751). The maximum value depends on the type of installation (totally or partially immersed, conditioning system if installed, etc.) For product temperatures over 70°C (158°F) maximum immersion of the instrument must be 30 mm.

Maximum temperature during sanitization: hot water at 95 °C (203 °F) for 30’ / steam (0.5 bar) at 110 °C (230 °F) for 30’.

Response time to temperature variations: 2’ / 10 °C (18 °F)

Relative line pressure:
max. 10 bar (145 psi) a 20 °C (68 °F)
max. 8 bar (116 psi) a 90 °C (194 °F)

GENERAL SPECIFICATIONS

Power supplies

Electric: -AC 24V ±10% 50...60Hz 10VA
-DC 24V ±10% 10W

Interfaces

Analog: 4…20mA on 470Ω / proportional “step” type with 0.20 Brix resolution.

Digital: -RS485 configurable with protocol:
OPTO 22
LABTECH
MASELLI for connection to the remote control unit “CM00” (multilab).
-RS485 for connection to the UR62 Digital Refractometer.
-PROFIBUS DP or ETHERNET/IP (optional).

Inputs: -N°2 configurable inputs.

Outputs: -N°1 relay output for alarm signal
-N°1 relay output configurable for alarm signal or for proportional timing adjustment
-Each output has maximum contact rating of 1A/24V DC/A.

All interfaces are optically isolated from the power supply (VDEO160) and are completely configurable from the keypad. All connections must be made via connections to connectors.

CONSTRUCTION FEATURES

UR62 REFRACTOMETRIC UNIT

Execution: AISI 316 stainless steel Enbloc casing for installation on the process line by means of the special adapter.

Measurement section:

- Spinel measurement prism.
- Electronically compensated LED light source
- CCD sensitive element with 2546 pixels.
- Pt1000 temperature probe inside the appliance.
- Integrated prism cleaning system with electric actuator.

The optical section of the equipment is dehumidified by means of molecular sieve desiccant sachets.

Electronic section: Central “CPU" unit with microprocessor which can be programmed with the special "Utility Software" for setup and configuration of the alarm threshold values, relative hysteresis, resetting and scale changeover.
- Internal temperature/humidity sensor for continuous temperature readings and the detection of humidity with relative alarm signaling.

Parts in contact with the product:
- Structure in AISI 316 stainless steel
- O-ring in Kalrez 6230 (Kalrez 6375 or 6380 on request) and Viton FKM 75.5.
- Spinel measurement prism.

Dimensions and weight:
∅38,5 (b) x 173 (d), 500 g.

RC24 RECEIVER

Execution: ABS casing (UL94HB) RAL 7035 suitable for cabinet or wall mounting.

Function: System management, data processing, operator interface, interfacing with analysis unit, interfacing with additional elements and with the process line.

Electronic section:- Central “CPU" unit with microprocessor with management software on Flash, updatable via PC; communication, interfaceability with analysis unit via serial RS485 protocol.
- Indication of measurement, software menu display, diagnostics menu, error messages and operating status indicator icons on graphic backlit color display LCD 320x240 pixel with "LCD Saving" function and touch-screen.
- 3-level programming software complete with password protection and check menu.
- 6 language options (Italian, English, Spanish, French, German, Chinese) for menu and message display.
- Process temperature expressed in "°C" or "°F" and pressure expressed in "kg/cm²" or "psi".
- Possibility to store and call up at any time groups of parameters known as "recipes" containing production parameters.

Dimensions and weight:
200 (b) x 120 (h) x 90 (d), 1.2 kg.

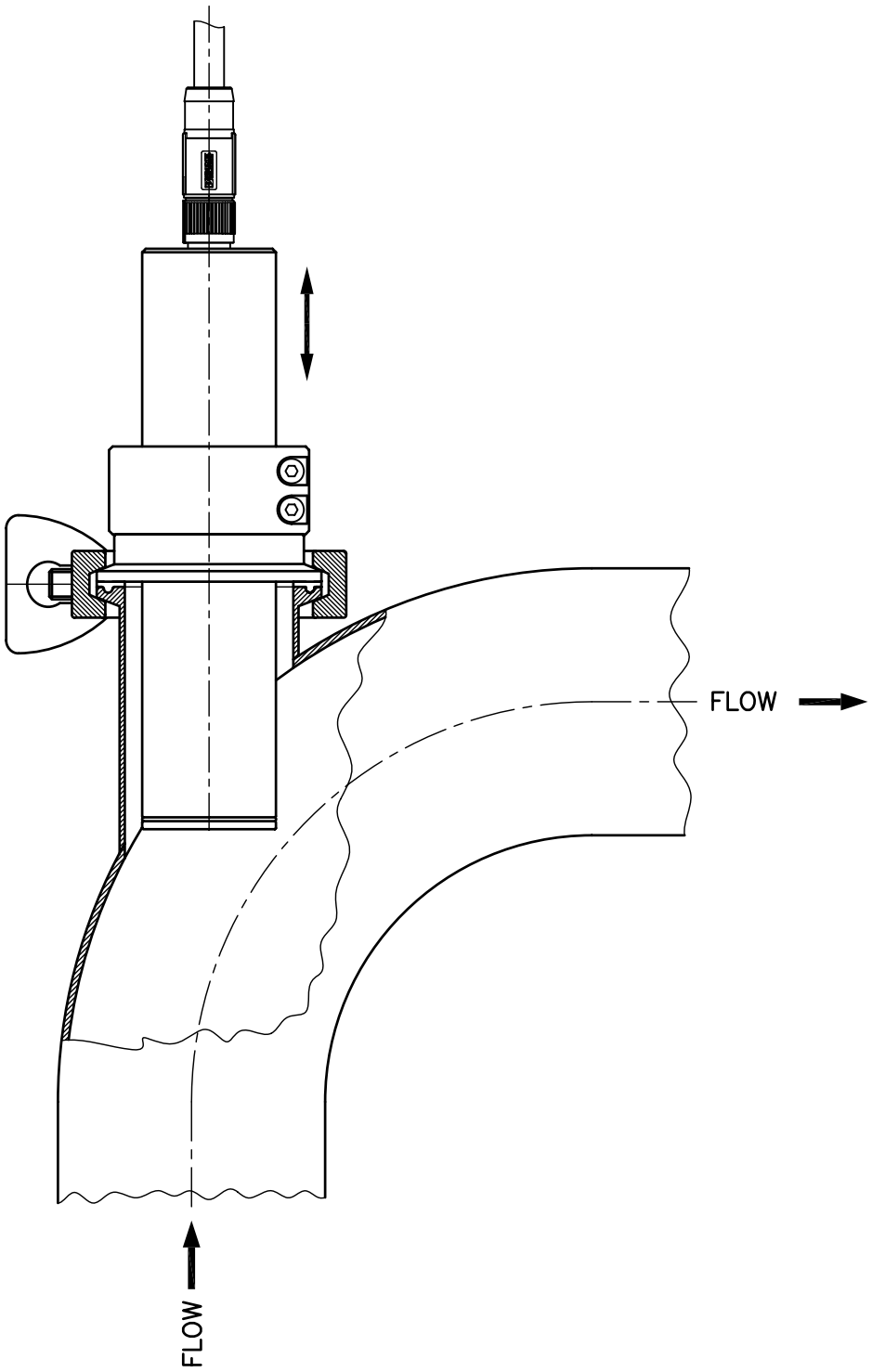
ACCESSORIES

- AISI 316 stainless steel fitting for UR-62 installation on the line or in by-pass with Tri-Clamp® fittings or fittings of a different type to be defined depending on the application.
- UR62 Conditioning system for forced circulation of cooling air.
- RC24 Plate for Panel mounting.

A4

TP9

MM 08/A4 ELETT.



MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION
1	RESO DEFINITIVO	31/01/12	*L. Osmini*	*G. Spagnoli*

PAGINA N° *PAGE N°* / DI N° *OF N°*	SERIE Monitor Rifrattometrico UR–60	MATRICOLA *PART NUMBER*
NOTE *NOTE* — SCALA 1:2	DENOMIN. INSTALLAZIONE con Tronchetto 2" su Tubazione in Curva *DESIGNATION*	ISTRUZIONE *INSTRUCTION*
		DISEGNATO DA *DRAWN BY* *M. Curcio*
		CONTROLLATO *INSPECTED BY* *C. Benassi*

maselli misure PROCESS ANALYZERS — PARMA ITALY

DATA *DATE* 09/05/2011

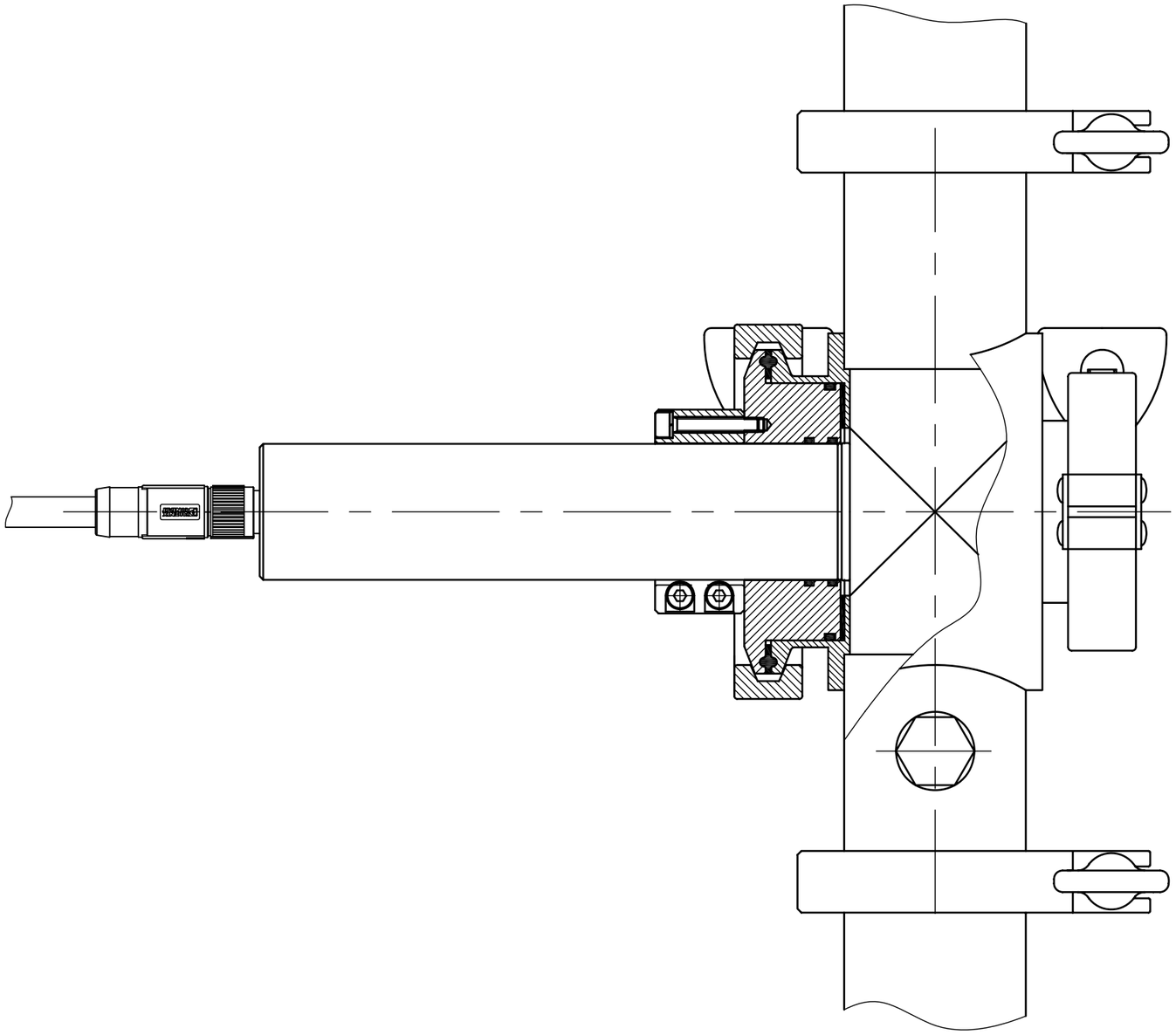
SOST. DIS. N° *SUBS. DWG N°*

Cod. N° 0160A0003 — Mod. 1

A3

TP9

MM 08/A3 ELETT.



1	RESO DEFINITIVO	31/01/12	L. Osmini	G. Spagnoli
MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

PAGINA N° / PAGE N° | DI N° / OF N°

NOTE / NOTE: SCALA 1:1,5

SERIE: Monitor Rifrattometrico UR-60

DENOMIN.: INSTALLAZIONE su Deflettore Maselli

DESIGNATION

MATRICOLA / PART NUMBER

ISTRUZIONE / INSTRUCTION

DISEGNATO DA / DRAWN BY: M. Curcio

CONTROLLATO / INSPECTED BY: C. Benassi

maselli misure PROCESS ANALYZERS — PARMA ITALY

DATA / DATE: 09/05/11

SOST. DIS. N° / SUBS. DWG N°

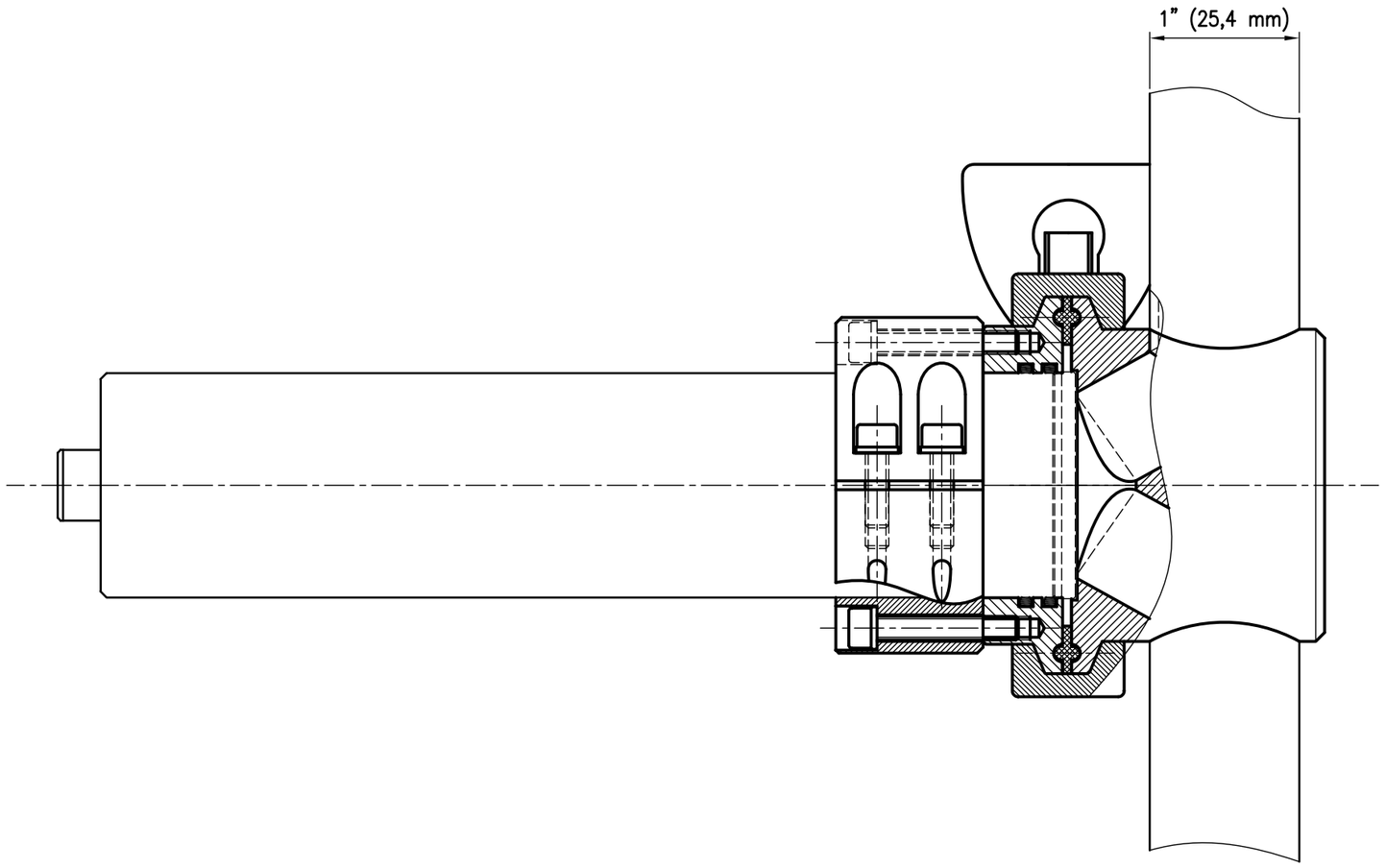
Cod. N°: 0160A0004

Mod.: 1

A3

TP9

MM 08/A3 ELETT.



MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

PAGINA N° *PAGE N°* / DI N° *OF N°*	SERIE Monitor Rifrattometrico UR–60		MATRICOLA *PART NUMBER*
NOTE *NOTE* SCALA 1:1	DENOMIN. INSTALLAZIONE su Deflettore UR–27 da 1"		ISTRUZIONE *INSTRUCTION*
	DESIGNATION		DISEGNATO DA *DRAWN BY* L. Osmini
			CONTROLLATO *INSPECTED BY* G. Spagnoli

maselli misure PROCESS ANALYZERS — PARMA ITALY

DATA *DATE* 06/02/12

SOST. DIS. N° *SUBS. DWG N°*

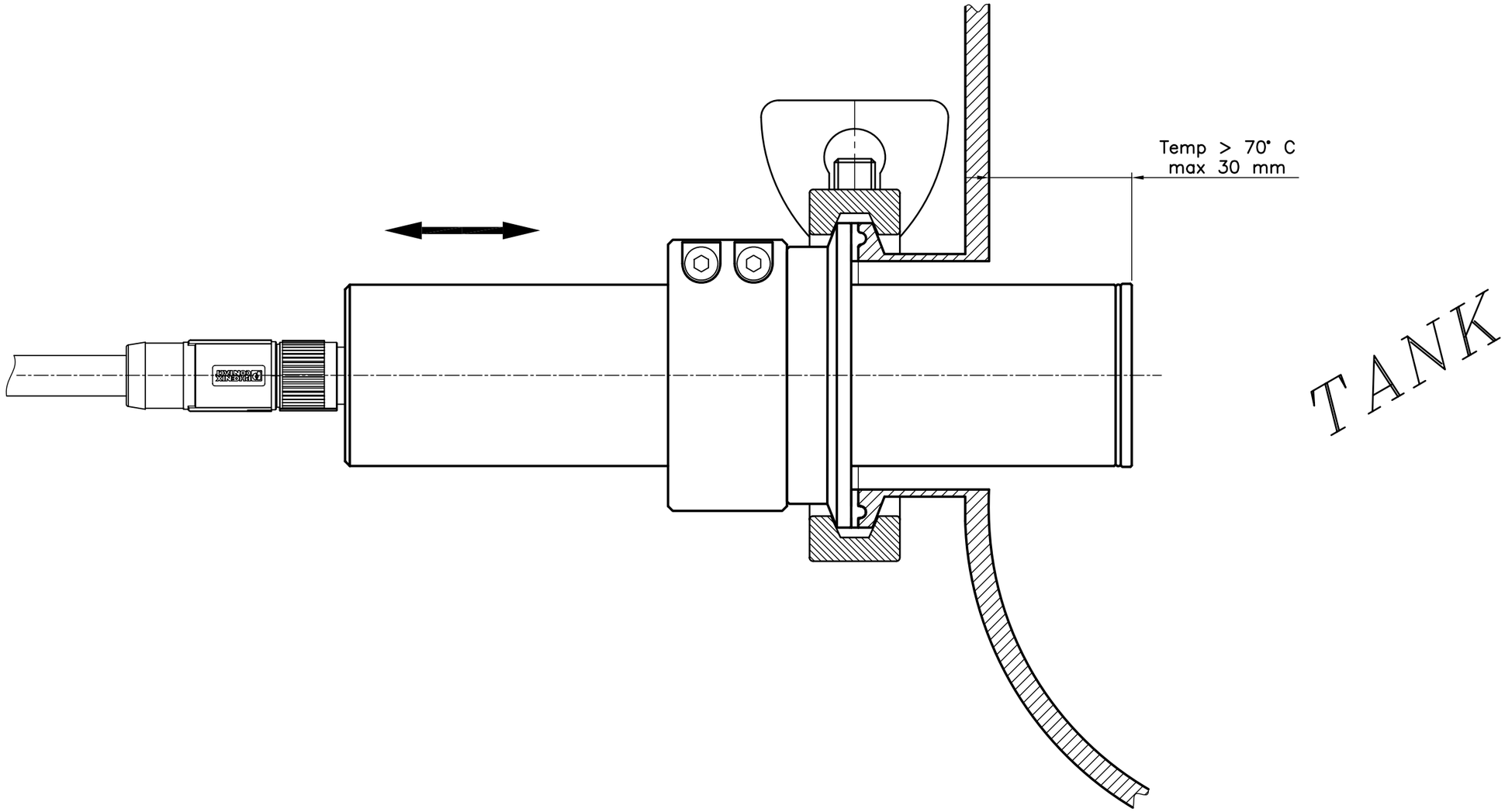
Cod. N° 0160A0005

Mod. 1

A3

TP9

MM 08/A3 ELETT.



MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

PAGINA N° / *PAGE N°* — DI N° / *OF N°*

NOTE / *NOTE*

SERIE: Monitor Rifrattometrico UR–60

DENOMIN. / *DESIGNATION*: INSTALLAZIONE su Serbatoio

MATRICOLA / *PART NUMBER*

ISTRUZIONE / *INSTRUCTION*

DISEGNATO DA / *DRAWN BY*: *L. Osmini*

CONTROLLATO / *INSPECTED BY*: *G. Spagnoli*

maselli misure — PROCESS ANALYZERS — PARMA ITALY

DATA / *DATE*: 06/02/12

SOST. DIS. N° / *SUBS. DWG N°*

Cod. N°: 0160A0006

Mod.: 1

A4

TOLLERANZE STANDARD SE NON SPECIFICATE NEL DISEGNO – STANDARD TOLERANCES IF NOT SPECIFICALLY INDICATED ON THE DRAWING

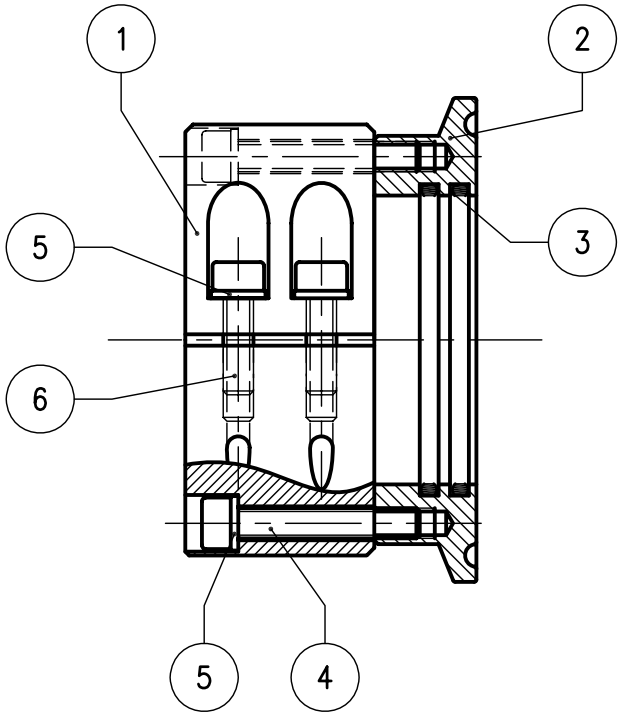
	0–6	>6–30	>30–120	>120–400	>400–1000	>1000–2000	>2000–4000
DIMENS. LINEARI *LINEAR DIMENS.* (mm)							
☐ MECCANICA *MECHANICS* (mm)	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2	±2,0
☐ CARPENTERIA *CARPENTRY* (mm)	±0,3		±0,5		±0,8	±1,2	±2,0

RUGOSITA' SUPERFICIALE *SURFACE TEXTURE* ISO 1302

TOLLERANZE GEOMETRICHE *GEOMETRICAL TOLERANCES* ISO 1101

TP9

MM 08/A4 MECC.



RIF / *REF*	MATRICOLA / *STORAGE CODE*	MOD. / *MOD.*	DESCRIZIONE / *DESCRIPTION*	N° DISEGNO / *DRAW N°*	QT		RIFERIMENTO / *REFERENCE*
1	A0578028		MORSETTO Bloccaggio Clamp UR-60	0160M5001_	1	N	
2	A0578029	????1??????	TRI-CLAMP 2" per Attacco UR-60	0160M5002_	1	N	
3	A0701348	????????1??	OR 2150 Viton FKM 75.5/VA75F	_	2	N	
4	0519040		VITE M4x25 TCEI UNI-5931 InoxA2	_	2	N	
5	0519111		RONDELLA Grower M4 UNI-1751 InoxA2	_	4	N	
6	A0519123		VITE M4x14 TCEI UNI-5931 InoxA2	_	2	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

MATERIALE *MATERIAL*

RICAVATO DA *OBTAINED FROM*

TRATTAMENTO *TREATMENT*

SERIE: Monitor Rifrattometrico UR-60

DENOMIN.: ATTACCO Standard per UR-60 *DESIGNATION*

MATRICOLA *PART NUMBER*: A0805143

ISTRUZIONE *INSTRUCTION*

DISEGNATO DA *DRAWN BY*: *L. Osmini*

CONTROLLATO *INSPECTED BY*: *G. Spagnoli*

maselli misure PROCESS ANALYZERS — PARMA ITALY

DATA *DATE*: 21/07/11

SCALA *SCALE*: 1:1

SOST. DIS. N° *SUBS. DWG N°*: 32550

Cod. N°: 0160M2001

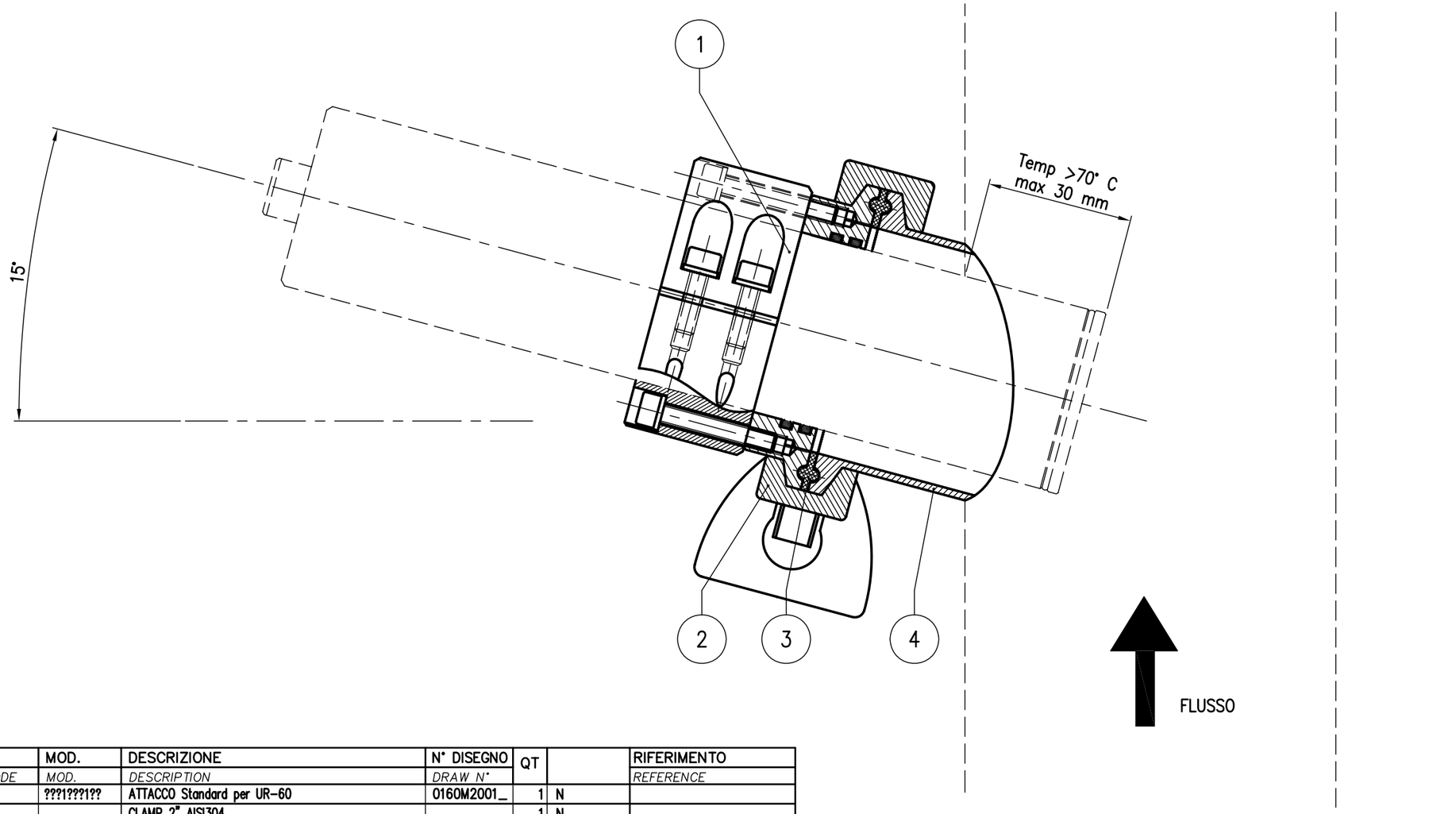
Mod.: 1

A3

TP9

MM 08/A3 MECC.

TOLLERANZE STANDARD SE NON SPECIFICATE NEL DISEGNO – STANDARD TOLERANCES IF NOT SPECIFICALLY INDICATED ON THE DRAWING									
DIMENS. LINEARI *LINEAR DIMENS.* (mm)	0–6	>6–30	>30–120	>120–400	>400–1000	>1000–2000	>2000–4000	RUGOSITA' SUPERFICIALE *SURFACE TEXTURE*	TOLLERANZE GEOMETRICHE *GEOMETRICAL TOLERANCES*
☐ MECCANICA *MECHANICS* (mm)	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2	±2,0	ISO 1302	ISO 1101
☐ CARPENTERIA *CARPENTRY* (mm)	±0,3		±0,5		±0,8	±1,2	±2,0		



RIF	MATRICOLA	MOD.	DESCRIZIONE	N° DISEGNO	QT		RIFERIMENTO
REF	*STORAGE CODE*	*MOD.*	*DESCRIPTION*	*DRAW N°*			*REFERENCE*
1	A0805143	???1????1??	ATTACCO Standard per UR-60	0160M2001_	1	N	
2	A0515169		CLAMP 2" AISI304	_	1	N	
3	A0515576	????????1??	GUARNIZIONE 2" Tri-Clamp VITON	_	1	N	
4	A0515173	?C?1B?????	TRONCH.2" H=76 T-C/SL A.316 14WLMP-2-6T	_	1	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

MATERIALE *MATERIAL*	SERIE Monitor Rifrattometrico UR-60	MATRICOLA *PART NUMBER*	A0578034
RICAVATO DA *OBTAINED FROM*	DENOMIN. KIT Montaggio con Tronch. 2" UR-60	ISTRUZIONE *INSTRUCTION*	
TRATTAMENTO *TREATMENT*	*DESIGNATION*	DISEGNATO DA *DRAWN BY*	*L. Osmini*
		CONTROLLATO *INSPECTED BY*	*G. Spagnoli*

maselli misure PROCESS ANALYZERS — PARMA ITALY

DATA *DATE*	19/12/11	SCALA *SCALE*	1:1
SOST. DIS. N° *SUBS. DWG N°*	78068@5		

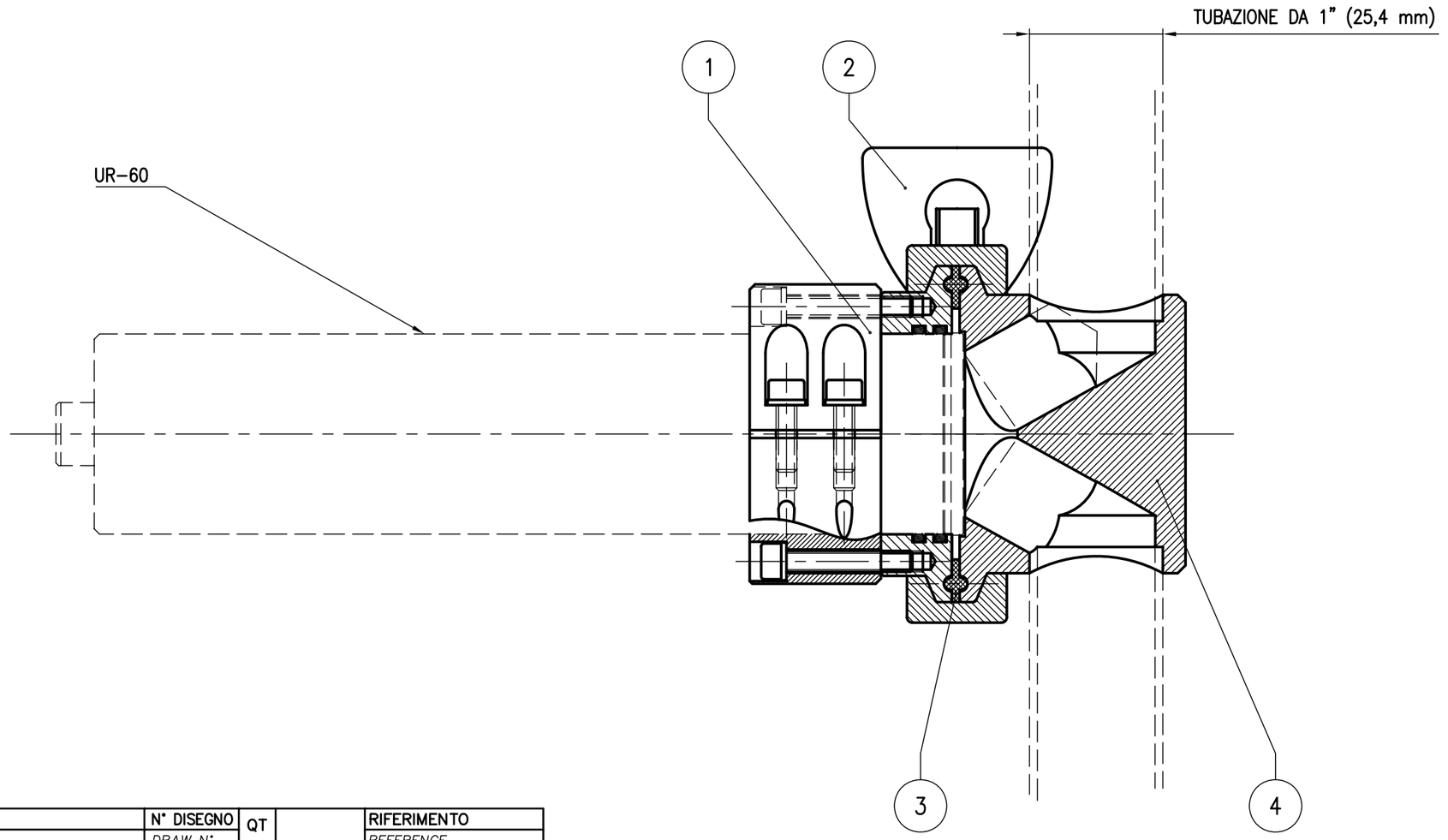
Cod. N°	Mod.
0160M2003	1

A3

TP9

MM 08/A3 MECC.

TOLLERANZE STANDARD SE NON SPECIFICATE NEL DISEGNO – STANDARD TOLERANCES IF NOT SPECIFICALLY INDICATED ON THE DRAWING									
DIMENS. LINEARI *LINEAR DIMENS.* (mm)	0–6	>6–30	>30–120	>120–400	>400–1000	>1000–2000	>2000–4000	RUGOSITA' SUPERFICIALE *SURFACE TEXTURE*	TOLLERANZE GEOMETRICHE *GEOMETRICAL TOLERANCES*
☐ MECCANICA *MECHANICS* (mm)	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2	±2,0	ISO 1302	ISO 1101
☐ CARPENTERIA *CARPENTRY* (mm)	±0,3		±0,5		±0,8	±1,2	±2,0		



RIF	MATRICOLA	MOD.	DESCRIZIONE	N° DISEGNO	QT		RIFERIMENTO
REF	*STORAGE CODE*	*MOD.*	*DESCRIPTION*	*DRAW N°*			*REFERENCE*
1	A0805143	???1???1??	ATTACCO Standard per UR–60	0160M2001_	1	N	
2	A0515169		CLAMP 2" AISI304	_	1	N	
3	A0515576	????????1??	GUARNIZIONE 2" Tri–Clamp VITON	_	1	N	
4	A0808214	?C?1C?????	DEFLETTORE 1" Att. a Saldare per UR–27	0127M5001_	1	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

MATERIALE *MATERIAL*	SERIE Monitor Rifrattometrico UR–60	MATRICOLA *PART NUMBER* A0578033
RICAVATO DA *OBTAINED FROM*	DENOMIN. KIT Montaggio con Deflettore UR–27 UR–60	ISTRUZIONE *INSTRUCTION*
TRATTAMENTO *TREATMENT*	*DESIGNATION*	DISEGNATO DA *DRAWN BY* *L. Osmini*
		CONTROLLATO *INSPECTED BY* *G. Spagnoli*

maselli misure PROCESS ANALYZERS — PARMA ITALY

DATA *DATE*	16/12/2011	SCALA *SCALE*	1:1
SOST. DIS. N° *SUBS. DWG N°*	78068@4		

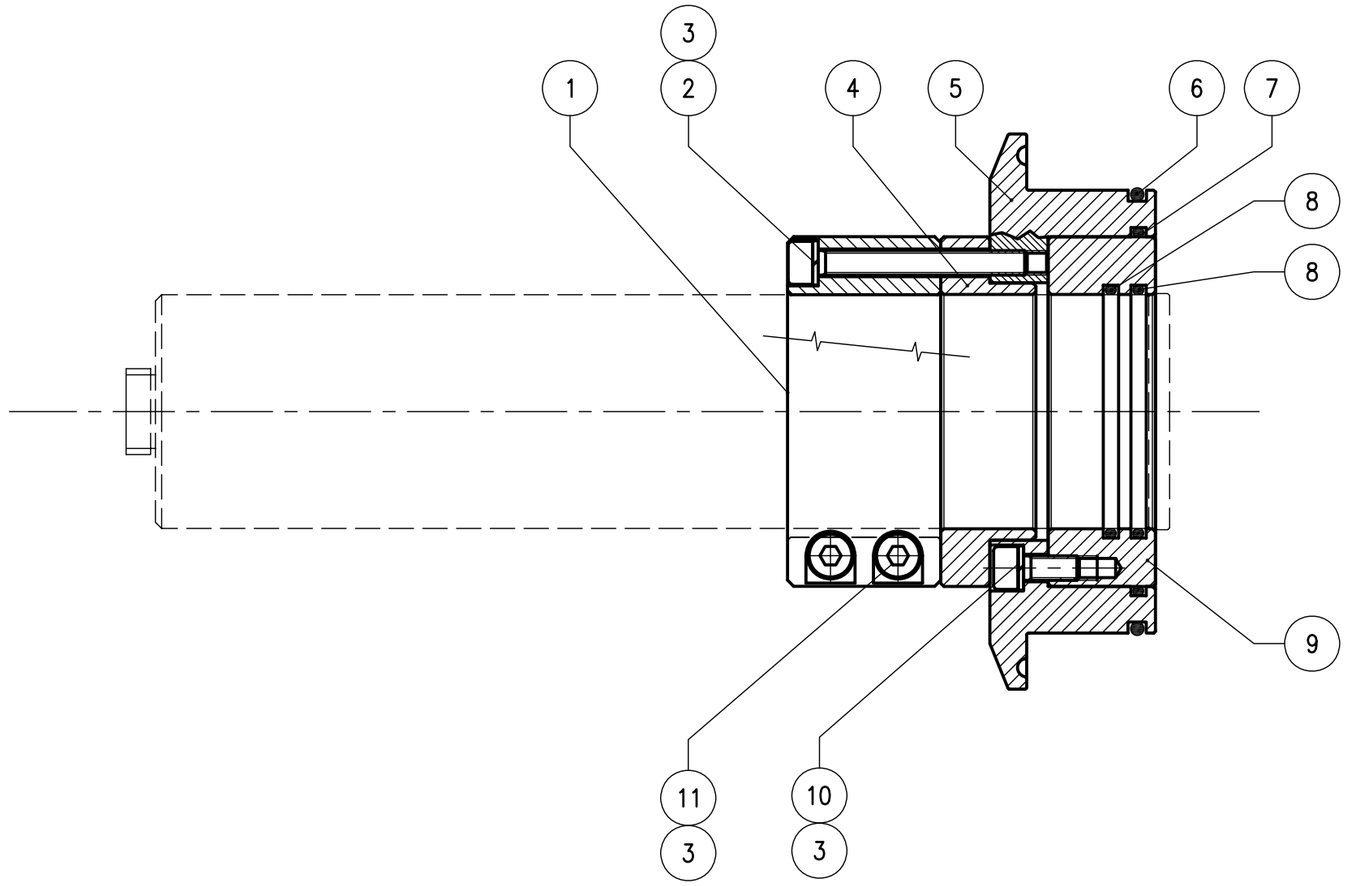
Cod. N°	Mod.
0160M2002	1

A3

TP9

MM 08/A3 MECC.

TOLLERANZE STANDARD SE NON SPECIFICATE NEL DISEGNO – STANDARD TOLERANCES IF NOT SPECIFICALLY INDICATED ON THE DRAWING									
DIMENS. LINEARI *LINEAR DIMENS.* (mm)	0–6	>6–30	>30–120	>120–400	>400–1000	>1000–2000	>2000–4000	RUGOSITA' SUPERFICIALE *SURFACE TEXTURE*	TOLLERANZE GEOMETRICHE *GEOMETRICAL TOLERANCES*
☐ MECCANICA *MECHANICS* (mm)	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2	±2,0	ISO 1302	ISO 1101
☐ CARPENTERIA *CARPENTRY* (mm)	±0,3		±0,5		±0,8	±1,2	±2,0		



RIF	MATRICOLA	MOD.	DESCRIZIONE	N° DISEGNO	QT		RIFERIMENTO
REF	*STORAGE CODE*	*MOD.*	*DESCRIPTION*	*DRAW N°*			*REFERENCE*
1	A0578028		MORSETTO Bloccaggio Clamp UR–60	0160M5001_	1	N	
2	0519138		VITE M4x35 TCEI UNI–5931 InoxA2	_	2	N	
3	0519111		RONDELLA Grower M4 UNI–1751 InoxA2	_	6	N	
4	A0578037	?B?1D?????	ANELLO Isolante per Morsetto UR–60	0160M4002_	1	N	
5	A0578036	?B?1D?????	CLAMP 3" Isolato UR–60	0160M5004_	1	N	
6	A0701331	????????1??	OR 3212 Viton FKM 75.5/VA75F	_	1	N	
7	A0701373	????????1??	OR 2225 Viton FKM 75.5/VA75F	_	1	N	
8	A0701348	????????1??	OR 2150 Viton FKM 75.5/VA75F	_	2	N	
9	A0578035	?B?1D?????	BOCCOLA Isolante per Clamp 3" UR–60	0160M4001_	1	N	
10	0519052		VITE M4x10 TCEI UNI–5931 InoxA2	_	2	N	
11	0519116		VITE M4x12 TCEI UNI–5931 InoxA2	_	2	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION
1	RESO DEFINITIVO	19/12/11	*L. Osmini*	*C. Spagnoli*

MATERIALE *MATERIAL*	SERIE Monitor Rifrattometrico UR–60	MATRICOLA *PART NUMBER* A0578038	
RICAVATO DA *OBTAINED FROM*	DENOMIN. KIT Montaggio su Defl. 3" Isolato UR–60	ISTRUZIONE *INSTRUCTION*	
TRATTAMENTO *TREATMENT*	*DESIGNATION*	DISEGNATO DA *DRAWN BY*	*E. Bossi*
		CONTROLLATO *INSPECTED BY*	*C. Benassi*

maselli misure PROCESS ANALYZERS — PARMA ITALY

DATA *DATE*	18/03/11	SCALA *SCALE*	1:1
SOST. DIS. N° *SUBS. DWG N°*	31698@105		

Cod. N°	Mod.
0160M2004	1

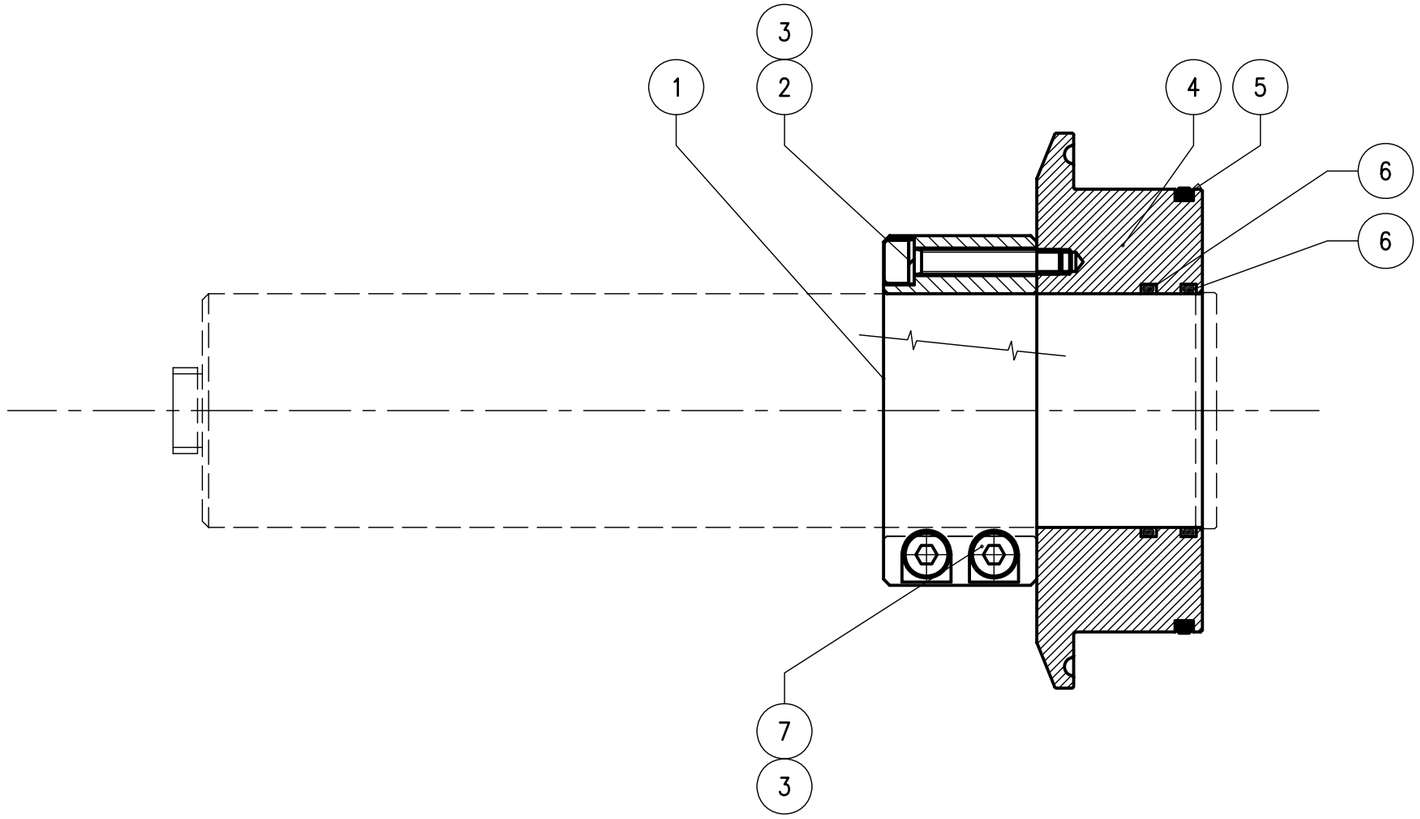
A3

TP9

MM 08/A3 MECC.

TOLLERANZE STANDARD SE NON SPECIFICATE NEL DISEGNO – STANDARD TOLERANCES IF NOT SPECIFICALLY INDICATED ON THE DRAWING

DIMENS. LINEARI *LINEAR DIMENS.* (mm)	0–6	>6–30	>30–120	>120–400	>400–1000	>1000–2000	>2000–4000	RUGOSITA' SUPERFICIALE *SURFACE TEXTURE*	TOLLERANZE GEOMETRICHE *GEOMETRICAL TOLERANCES*
☐ MECCANICA *MECHANICS* (mm)	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2	±2,0	ISO 1302	ISO 1101
☐ CARPENTERIA *CARPENTRY* (mm)	±0,3		±0,5		±0,8	±1,2	±2,0		



RIF *REF*	MATRICOLA *STORAGE CODE*	MOD. *MOD.*	DESCRIZIONE *DESCRIPTION*	N° DISEGNO *DRAW N°*	QT		RIFERIMENTO *REFERENCE*
1	A0578028		MORSETTO Bloccaggio Clamp UR–60	0160M5001_	1	N	
2	0519040		VITE M4x25 TCEI UNI–5931 InoxA2	_	2	N	
3	0519111		RONDELLA Grower M4 UNI–1751 InoxA2	_	4	N	
4	A0578039	?A?1D?????	CLAMP 3" non Isolato UR–60	0160M5005_	1	N	
5	A0701331	???????1??	OR 3212 Viton FKM 75.5/VA75F	_	1	N	
6	A0701348	???????1??	OR 2150 Viton FKM 75.5/VA75F	_	2	N	
7	0519116		VITE M4x12 TCEI UNI–5931 InoxA2	_	2	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

MATERIALE *MATERIAL*

RICAVATO DA *OBTAINED FROM*

TRATTAMENTO *TREATMENT*

SERIE
Monitor Rifrattometrico UR–60

DENOMIN. KIT Montaggio su Defl. 3" non Isol UR–60

DESIGNATION

MATRICOLA *PART NUMBER* A0578040

ISTRUZIONE *INSTRUCTION*

DISEGNATO DA *DRAWN BY* *L. Osmini*

CONTROLLATO *INSPECTED BY* *G. Spagnoli*

maselli misure
PROCESS ANALYZERS
PARMA ITALY

DATA *DATE* 19/12/11

SCALA *SCALE* 1:1

SOST. DIS. N° *SUBS. DWG N°*

Cod. N° 0160M2005

Mod. 1

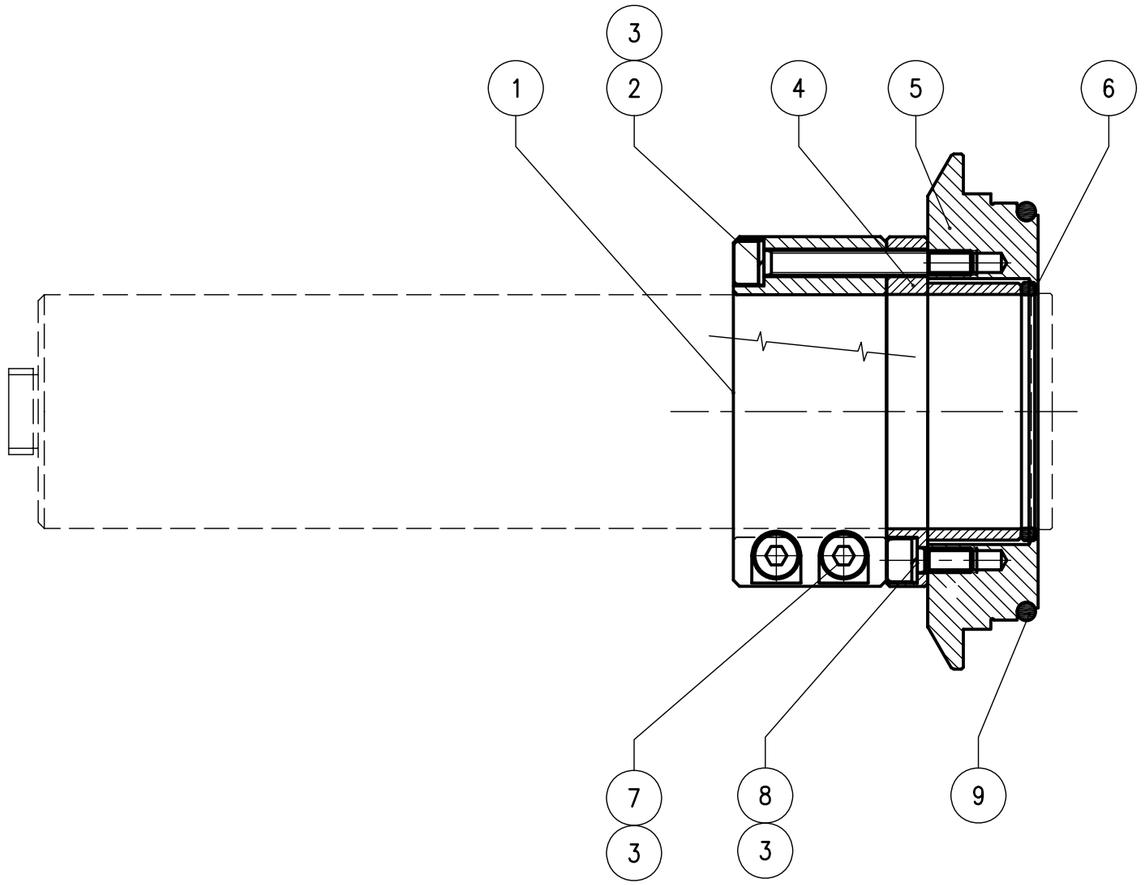
A3

TP9

MM 08/A3 MECC.

TOLLERANZE STANDARD SE NON SPECIFICATE NEL DISEGNO – STANDARD TOLERANCES IF NOT SPECIFICALLY INDICATED ON THE DRAWING

DIMENS. LINEARI *LINEAR DIMENS.* (mm)	0–6	>6–30	>30–120	>120–400	>400–1000	>1000–2000	>2000–4000	RUGOSITA' SUPERFICIALE *SURFACE TEXTURE*	TOLLERANZE GEOMETRICHE *GEOMETRICAL TOLERANCES*
☐ MECCANICA *MECHANICS* (mm)	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2	±2,0	ISO 1302	ISO 1101
☐ CARPENTERIA *CARPENTRY* (mm)	±0,3		±0,5		±0,8	±1,2	±2,0		



RIF *REF*	MATRICOLA *STORAGE CODE*	MOD. *MOD.*	DESCRIZIONE *DESCRIPTION*	N° DISEGNO *DRAW N°*	QT		RIFERIMENTO *REFERENCE*
1	A0578028		MORSETTO Bloccaggio Clamp UR–60	0160M5001_	1	N	
2	0519138		VITE M4x35 TCEI UNI–5931 InoxA2	_	2	N	
3	0519111		RONDELLA Grower M4 UNI–1751 InoxA2	_	8	N	
4	A0578042	?B??B????	BOCCOLA Isolante Attacco Varivent UR–60	0160M4003_	1	N	
5	A0578041	?B??B????	VARIVENT "N" Isolato per UR–60	0160M5006_	1	N	
6	A0701374	???????1??	OR 3150 Viton FKM 75.5/VA75F	_	1	N	
7	0519116		VITE M4x12 TCEI UNI–5931 InoxA2	_	2	N	
8	0519052		VITE M4x10 TCEI UNI–5931 InoxA2	_	4	N	
9	A0701227	???????1??	ORM 0600–30 Viton Alim. (FDA) 930–171	_	1	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

MATERIALE *MATERIAL*

RICAVATO DA *OBTAINED FROM*

TRATTAMENTO *TREATMENT*

SERIE Monitor Rifrattometrico UR–60

DENOMIN. KIT Montaggio su Varivent "N" UR–60

DESIGNATION

MATRICOLA *PART NUMBER* A0578043

ISTRUZIONE *INSTRUCTION*

DISEGNATO DA *DRAWN BY* *L. Osmini*

CONTROLLATO *INSPECTED BY* *G. Spagnoli*

maselli misure
PROCESS ANALYZERS
PARMA ITALY

DATA *DATE* 20/12/11

SCALA *SCALE* 1:1

SOST. DIS. N° *SUBS. DWG N°* 78068@7

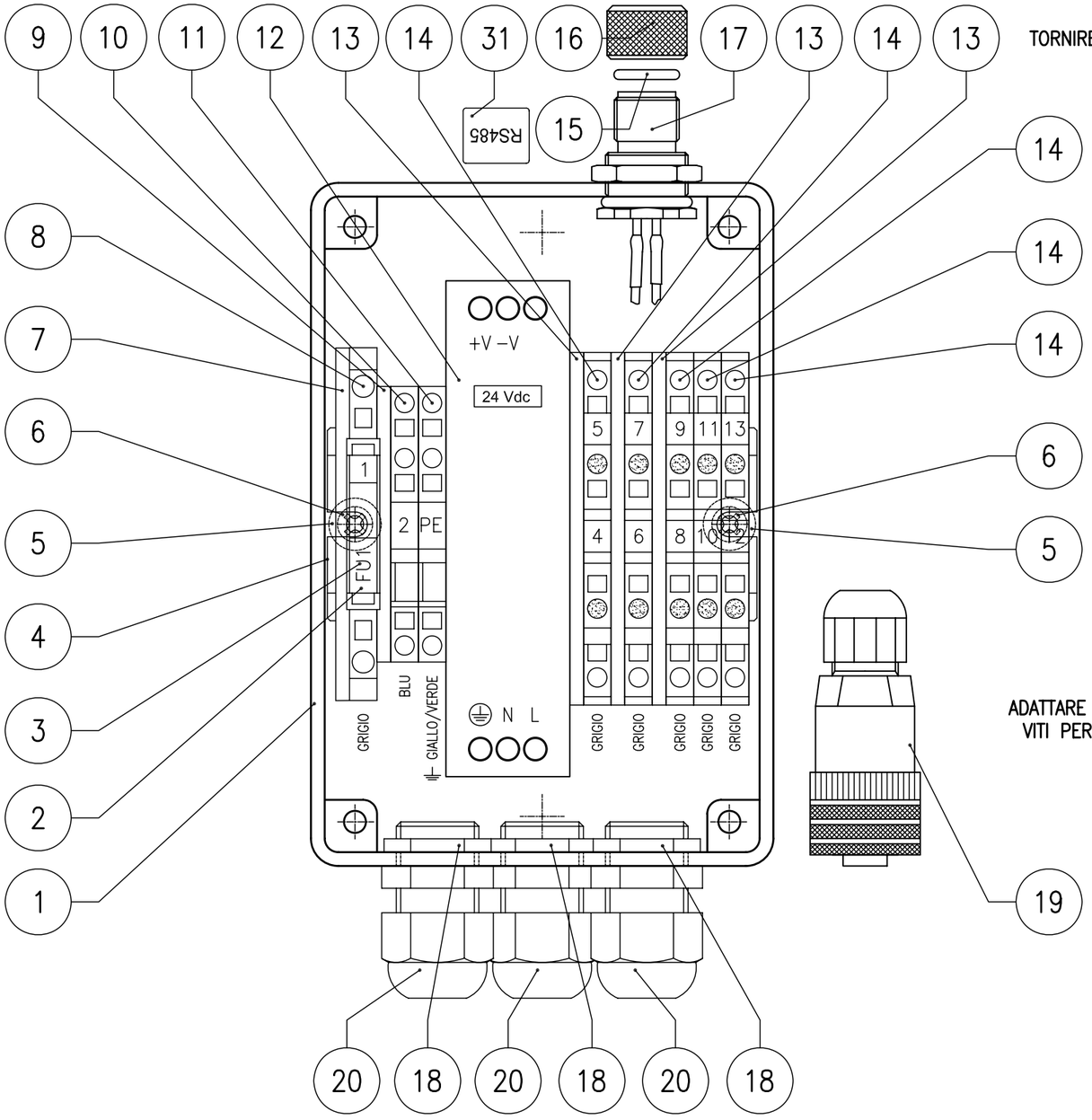
Cod. N° 0160M2006

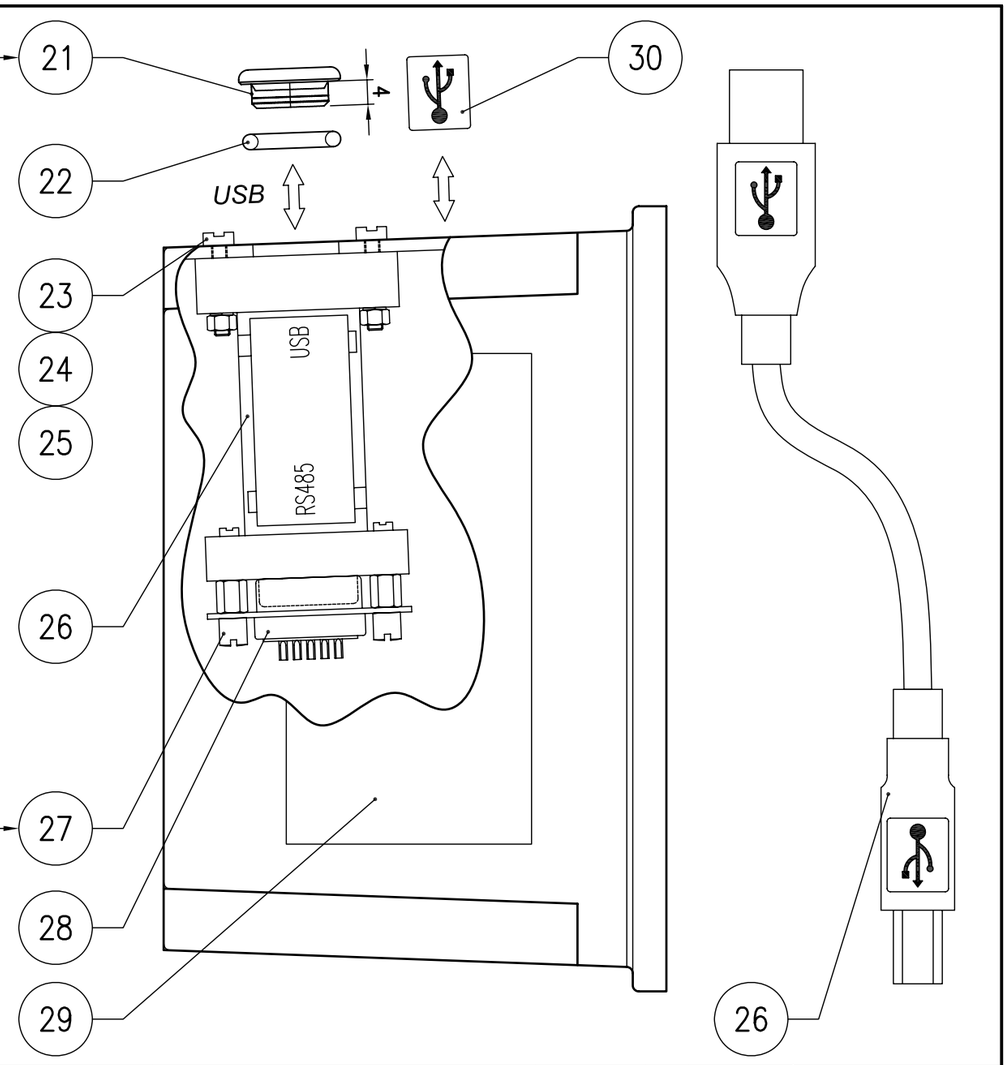
Mod. 1

A3

TP9

MM 08/A3 ELETT.





RIF	MATRICOLA	MOD.	DESCRIZIONE	N° DISEGNO	QT		RIFERIMENTO
REF	*STORAGE CODE*	*MOD.*	*DESCRIPTION*	*DRAW N°*			*REFERENCE*
1	A0578027		CASSETTA Lavorata Interconnessione UR60	0160M6001_	1	N	
2	0306092		BLOCCO Portafusibile 281-511	_	1	N	
3	0303003		FUSIBILE "F" 1A/250V (5x20 V.Neutro)	_	1	N	
4	A0213023		GUIDA Profilato OMEGA-3F	_	1	m 0.078	
5	0519161		RONDELLA Piana M5 UNI-6592 InoxA2	_	2	N	
6	0519065		VITE TSP 3,5x9,5 DIN-7982 Autof. InoxA2	_	2	N	
7	A0306002		PIASTRINA Isolante Grigia 280-324	_	1	N	
8	A0306001		MORSETTO 3-Vie Grigio 280-610	_	1	N	
9	0306100		PIASTRINA Isolante Arancione 280-313	_	1	N	
10	0306102		MORSETTO 3-Vie Blu 280-651	_	1	N	
11	A0306072		MORSETTO 3-Vie Giallo-Verde 280-637	_	1	N	
12	A0310051	???????3???	ALIMENTATORE Switching 24W 24V MDR-20-24	_	1	N	
13	A0306220		PIASTRINA Isolante Arancione 280-341	_	3	N	
14	A0306219		MORSETTO 2 Piani Grigio 280-519	_	5	N	
15	A0701030		OR 2037 NBR	_	1	N	
16	A0548022		CAPPUCCIO per Connettore M12 UR-20/27	0120A4016_	1	N	
17	A0206288		CONNETTORE M12 4Poli (M) 09-3431-90-04	_	1	N	
18	A0511002		DADO Metal OT-Ni per pressacavo PG9	_	3	N	
19	A0206174		CONNETTORE(F)4-Poli IP68 0912041KF02000	_	1	N	
20	0511034		PRESSACAVO PG9 Plast	_	3	N	
21	A0710006	????????3??	TAPPO D15 Filettato PG7 Grigio	_	1	N	
22	0701030	????????3??	OR 3043 o 111 NBR	_	1	N	
23	0520030	????????3??	VITE M2,6x16 TC UNI-6107 OT-SB	_	2	N	
24	0519062	????????3??	RONDELLA Grower M3 UNI-1751 InoxA2	_	2	N	
25	0520029	????????3??	DADO Esag M2,6 H=2,5 UNI-5587 OT-SB	_	2	N	
26	A0117148	????????3??	CONVERTITORE RS485 USB 485USB9F-2W +Cavo	_	1	N	
27	A0206142	????????3??	VITE per Connettore ITT-250-8501-004	_	2	N	
28	0206170	????????3??	CONNETTORE(M)9-Poli a Vaschetta CD-9P	_	1	N	
29			Targa d'Identificaz. Cassetta d'Interconn. UR60/62	0160S0001_	0	N	EASYLABEL
30		????????3??	Targa USB Cassetta d'Interconnessione UR60/62	0160S0002_	0	N	EASYLABEL
31			Targa RS485 Cassetta d'Interconnessione UR60/62	0160S0003_	0	N	EASYLABEL

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION
2	AGGIORNAMENTO PER INSERIMENTO DI KIT USB INTERNO E CONNESSIONE RS485 STANDARD	08/11/2011	*A. Mordonini*	*G. Spagnoli*

PAGINA N° / *PAGE N°*: DI N° / *OF N°*

NOTE / *NOTE*: Rif. 0160P1001x
Rif. 0160P1002x

SERIE: Monitor Rifrattometrico UR-60

DENOMIN. / *DESIGNATION*: CASSETTA Ass-Cab Interconnessione UR60

MATRICOLA / *PART NUMBER*: A0812415

ISTRUZIONE / *INSTRUCTION*:

DISEGNATO DA / *DRAWN BY*: *A. Mordonini*

CONTROLLATO / *INSPECTED BY*: *G. Spagnoli*

maselli misure
PROCESS ANALYZERS
PARMA ITALY

DATA / *DATE*: 14/06/2011

SOST. DIS. N° / *SUBS. DWG N°*: 0160P30011

Cod. N°: 0160P3001

Mod.: 2

A3

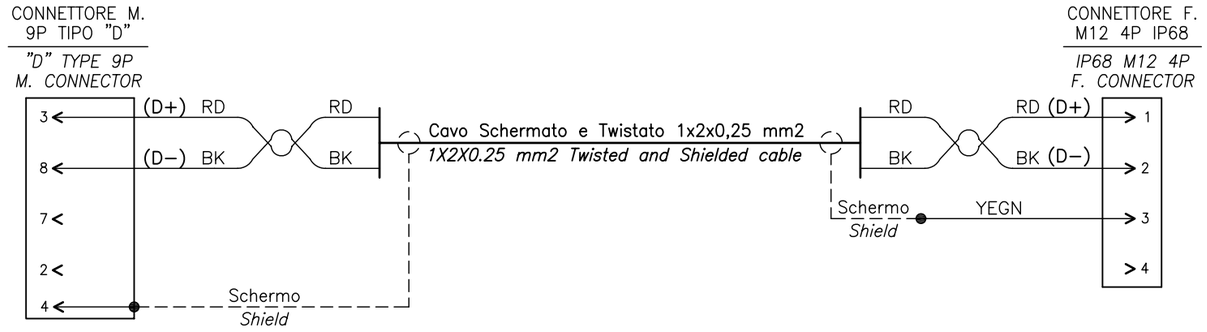
TP9

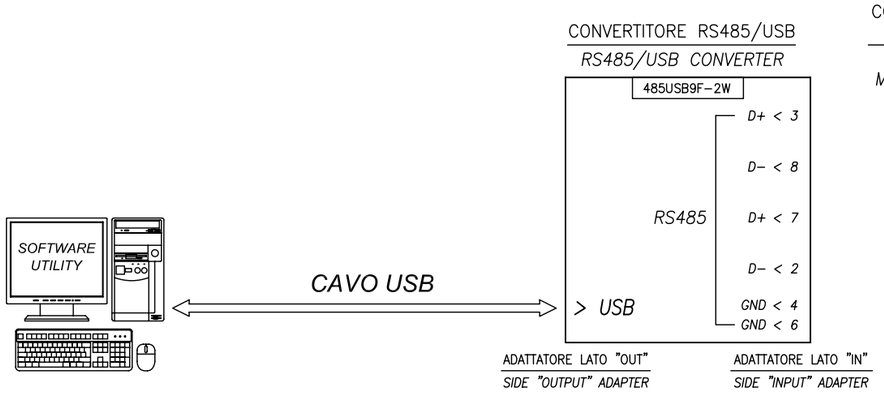
MM 08/A3 ELETT.

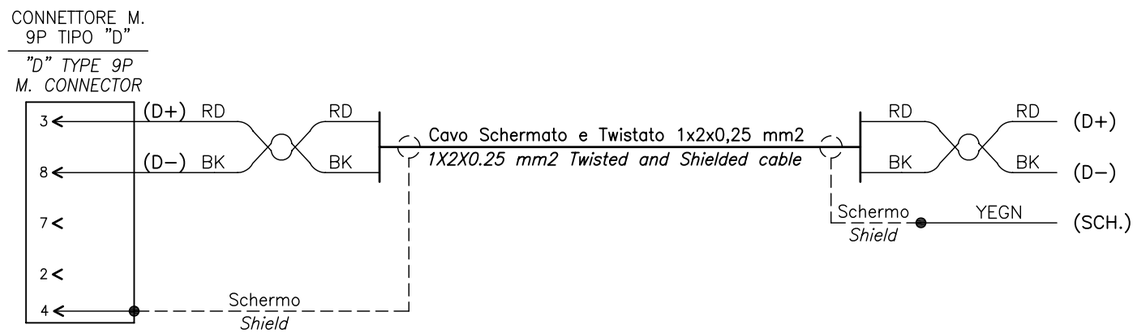
CODICE DI DESIGNAZIONE DEI COLORI "CEI 16-6" (IEC 757)

COLOURS DESIGNATION CODE "CEI 16-6" (IEC 757)

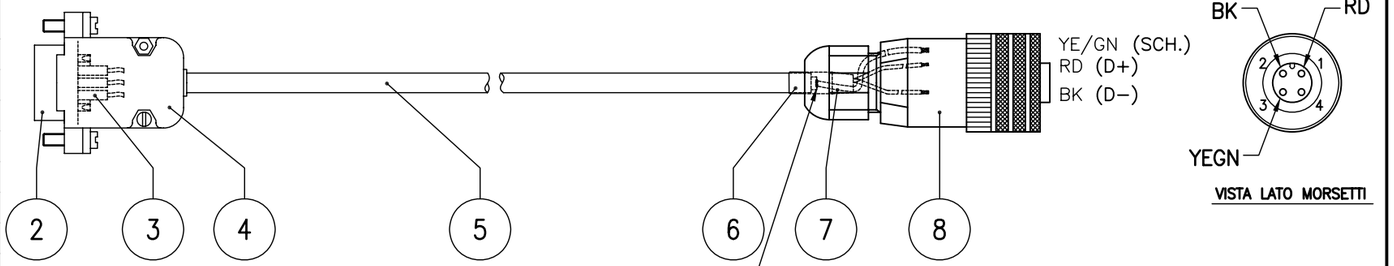
"BK"	= NERO	= BLACK	"GY"	= GRIGIO	= GREY
"BN"	= MARRONE	= BROWN	"WH"	= BIANCO	= WHITE
"RD"	= ROSSO	= RED	"PK"	= ROSA	= PINK
"OG"	= ARANCIO	= ORANGE	"YE"	= GIALLO	= YELLOW
"BU"	= BLU	= BLUE	"GN"	= VERDE	= GREEN
"VT"	= VIOLA	= VIOLET			

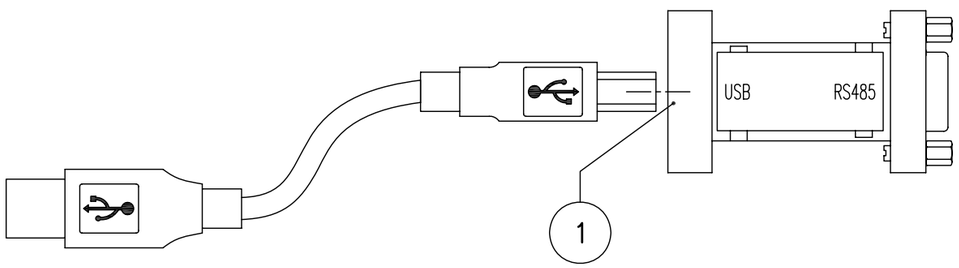


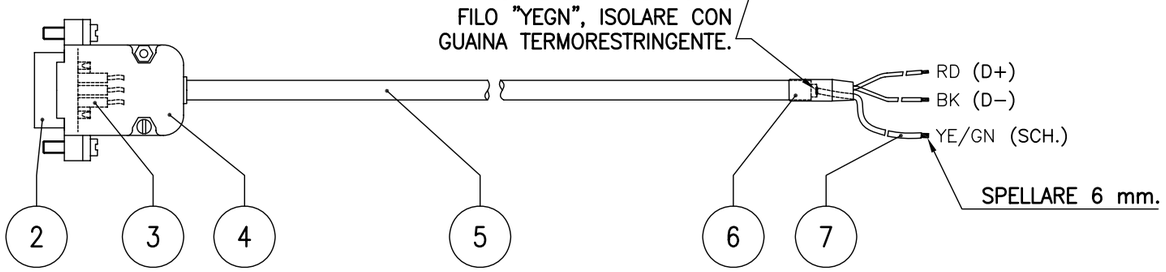


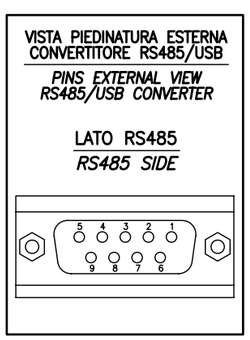


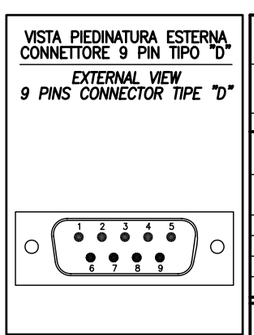
RIF	MATRICOLA	DESCRIZIONE	N° DISEGNO	QT	
REF	*STORAGE CODE*	*DESCRIPTION*	*DRAW N°*		
1	A0117148	CONVERTITORE RS485 USB 485USB9F-2W +Cavo	_	1	N
2	0206170	CONNETTORE(M)9-Poli a Vaschetta CD-9P	_	2	N
3	0709029	GUAINA Termorestringente D2,4 Nera	_	6	m 0.010
4	A0206055	CALOTTA+Viti Connettore 9-Poli CDC9-SC	_	2	N
5	A0309101	CAVO (1x2)x0,25 Schermato & Twistato	_	2	m 1.000
6	0709014	GUAINA Termorestringente D4,8 Nera	_	2	m 0.030
7	0309023	CAVO 1x0,75 H05V-K Giallo-Verde	_	2	m 0.040
8	A0206174	CONNETTORE(F)4-Poli IP68 0912041KF02000	_	1	N











MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

PAGINA N° *PAGE N°* / DI N° *OF N°*	SERIE Monitor Rifrattometrico UR-60	MATRICOLA *PART NUMBER* A0804600
NOTE *NOTE*	DENOMIN. KIT Adattatore RS485-USB Esterno x UR60	ISTRUZIONE *INSTRUCTION*
	DESIGNATION	DISEGNATO DA *DRAWN BY* *A. Mordonini*
		CONTROLLATO *INSPECTED BY* *G. Spagnoli*

maselli misure PROCESS ANALYZERS — PARMA ITALY

DATA *DATE* 07/11/2011

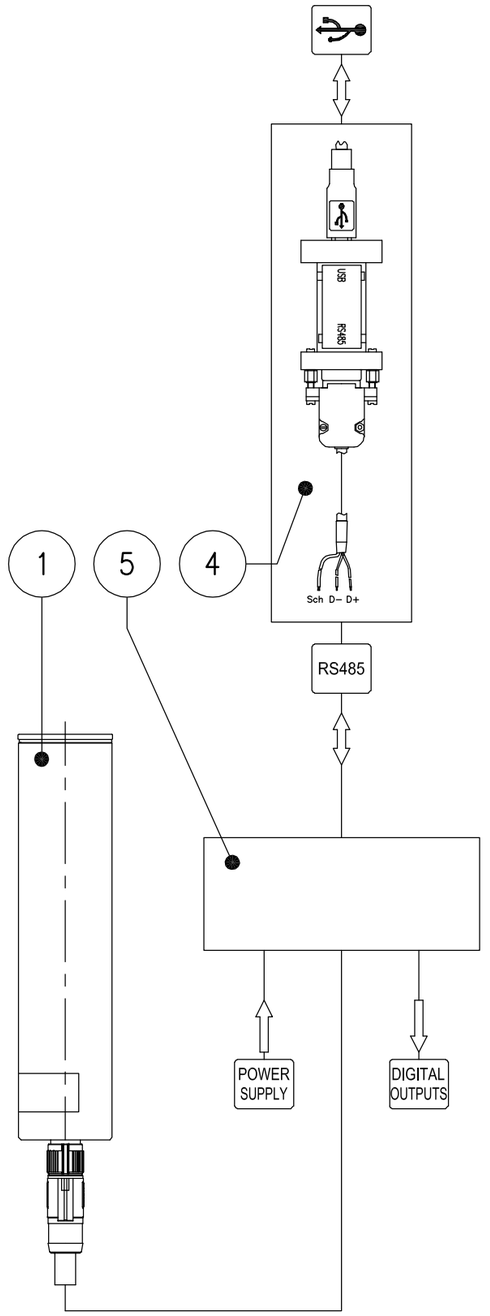
SOST. DIS. N° *SUBS. DWG N°* 72932

Cod. N° 0160P5001 — Mod. 1

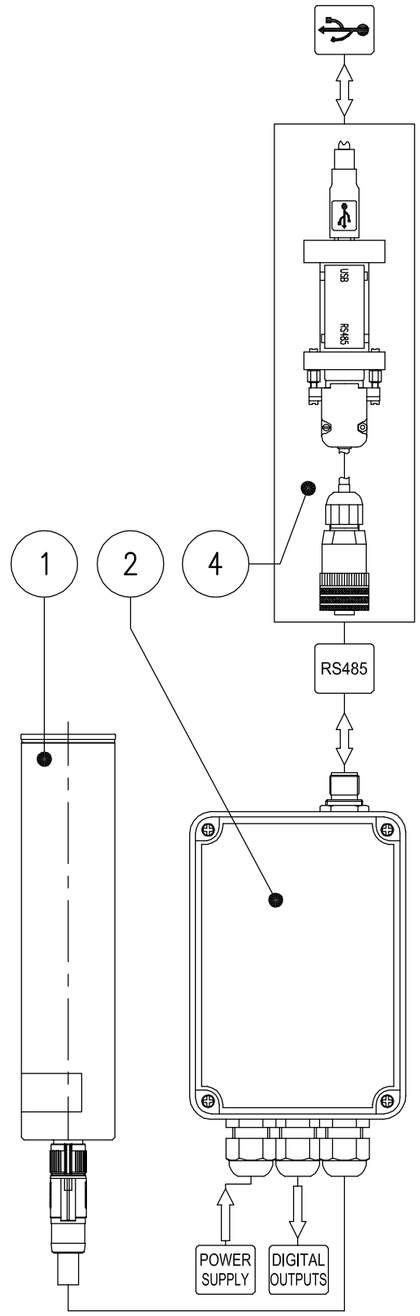
A3

TP9

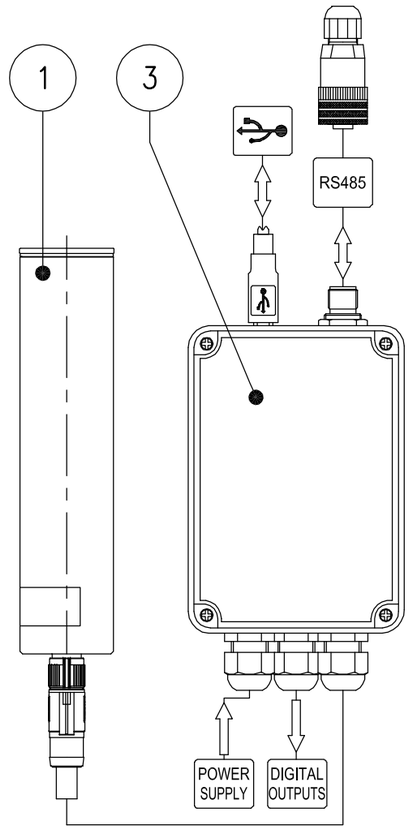
MM 08/A3 ELETT.



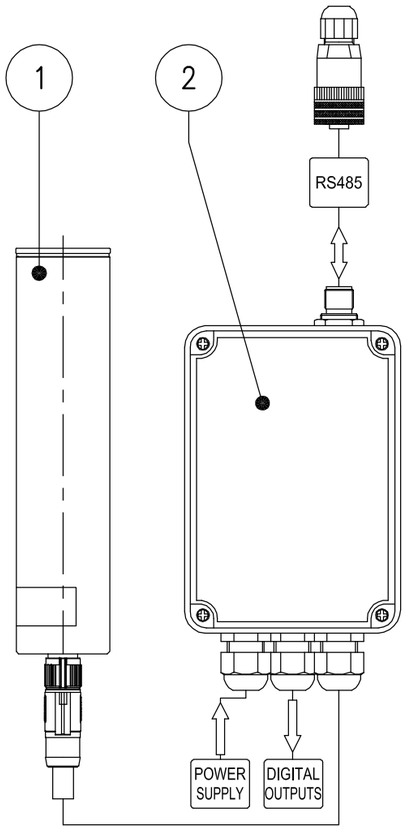
VERSIONE CON MORSETTIERA D'INTERCONNESSIONE (CLIENTE) + USB ESTERNO



VERSIONE CON CASSETTA D'INTERCONNESSIONE (BASE) + USB ESTERNO



VERSIONE CON CASSETTA D'INTERCONNESSIONE (USB)



VERSIONE CON CASSETTA D'INTERCONNESSIONE (BASE)

RIF *REF*	MATRICOLA *STORAGE CODE*	MOD. *MOD.*	DESCRIZIONE *DESCRIPTION*	N° DISEGNO *DRAW N°*	QT		RIFERIMENTO *REFERENCE*
1			MONITOR RIFRATTOMETRICO UR60	_	1	N	
2			CASSETTA D'INTERCONNESSIONE (BASE) UR60	_	1	N	
3			CASSETTA D'INTERCONNESSIONE (USB INTERNO) UR60	_	1	N	
4			KIT ADATTATORE RS485–USB ESTERNO x UR60	_	1	N	
5			MORSETTIERA INTERCONNESSIONE (CUSTOMER) UR60	_	1	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

PAGINA N° *PAGE N°* | DI N° *OF N°*

NOTE *NOTE*

SERIE
Monitor Rifrattometrico UR–60

DENOMIN. Esempi di commercializzazione modelli UR60

DESIGNATION

MATRICOLA *PART NUMBER*

ISTRUZIONE *INSTRUCTION*

DISEGNATO DA *DRAWN BY* *A. Mordonini*

CONTROLLATO *INSPECTED BY* *G. Spagnoli*

maselli misure
PROCESS ANALYZERS
PARMA ITALY

DATA *DATE* 08/02/2012

SOST. DIS. N° *SUBS. DWG N°* 72932@12

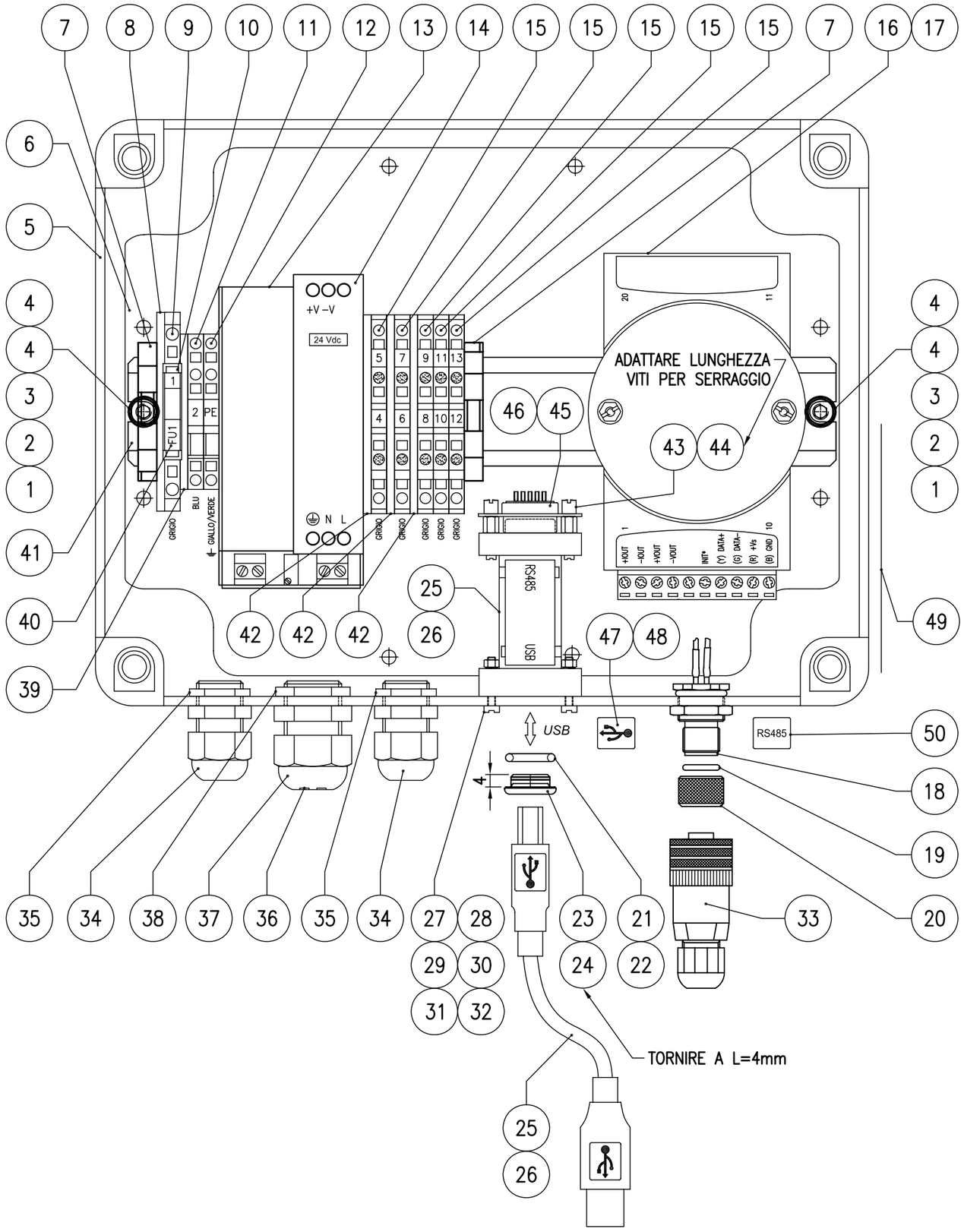
Cod. N° 0160G1001

Mod. 1

A3

TP9

MM 08/A3 ELETT.



RIF	MATRICOLA	MOD.	DESCRIZIONE	N° DISEGNO	QT		RIFERIMENTO
REF	*STORAGE CODE*	*MOD.*	*DESCRIPTION*	*DRAW N°*			*REFERENCE*
1	0519028		VITE M5x10 TCEI UNI-5931 InoxA2	_	2	N	
2	0519163		DADO Esag M5 H=5 UNI-5587 InoxA2	_	2	N	
3	0519109		RONDELLA Grower M5 UNI-1751 InoxA2	_	2	N	
4	0519161		RONDELLA Piana M5 UNI-6592 InoxA2	_	4	N	
5	A0578032		CASSETTA Lavorata Interconnessione UR62	0162M6001_	1	N	
6	A0319068		PIASTRA di Fondo 240x190 GW-44-616	_	1	N	N.2 FORI ø5.5 INTER. 218
7	A0306065		SERRAPACCO a Innesto Rapido 249-116	_	2	N	
8	A0306002		PIASTRINA Isolante Grigia 280-324	_	1	N	
9	A0306001		MORSETTO 3-Vie Grigio 280-610	_	1	N	
10	0306092		BLOCCO Portafusibile 281-511	_	1	N	
11	0306102		MORSETTO 3-Vie Blu 280-651	_	1	N	
12	A0306072		MORSETTO 3-Vie Giallo-Verde 280-637	_	1	N	
13	A0310054	???????5???	CONVERTITORE AC/DC 2A PFALVP3	_	1	N	
14	A0310051	???????3???	ALIMENTATORE Switching 24W 24V MDR-20-24	_	1	N	
15	A0306219		MORSETTO 2 Piani Grigio 280-519	_	5	N	
16	A0117186	????????5??	MODULO Uscita Analogica 1ch ADAM-4021-DE	_	1	N	
17	A0117186	????????7??	MODULO Uscita Analogica 1ch ADAM-4021-DE	_	1	N	
18	A0206288		CONNETTORE M12 4Poli (M) 09-3431-90-04	_	1	N	
19	A0701030		OR 2037 NBR	_	1	N	
20	A0548022		CAPPUCCIO per Connettore M12 UR-20/27	0120A4016_	1	N	
21	0701030	????????3??	OR 3043 o 111 NBR	_	1	N	
22	0701030	????????7??	OR 3043 o 111 NBR	_	1	N	
23	A0710006	????????3??	TAPPO D15 Filettato PG7 Grigio	_	1	N	
24	A0710006	????????7??	TAPPO D15 Filettato PG7 Grigio	_	1	N	
25	A0117148	????????3??	CONVERTITORE RS485 USB 485USB9F-2W +Cavo	_	1	N	
26	A0117148	????????7??	CONVERTITORE RS485 USB 485USB9F-2W +Cavo	_	1	N	
27	0520030	????????3??	VITE M2,6x16 TC UNI-6107 OT-SB	_	2	N	
28	0520030	????????7??	VITE M2,6x16 TC UNI-6107 OT-SB	_	2	N	
29	0520029	????????3??	DADO Esag M2,6 H=2,5 UNI-5587 OT-SB	_	2	N	
30	0520029	????????7??	DADO Esag M2,6 H=2,5 UNI-5587 OT-SB	_	2	N	
31	0519062	????????3??	RONDELLA Grower M3 UNI-1751 InoxA2	_	2	N	
32	0519062	????????7??	RONDELLA Grower M3 UNI-1751 InoxA2	_	2	N	
33	A0206174		CONNETTORE(F)4-Poli IP68 0912041KF02000	_	1	N	
34	0511034		PRESSACAVO PG9 Plast	_	2	N	
35	A0511002		DADO Metal OT-Ni per pressacavo PG9	_	2	N	
36	A0511027		GUARNIZIONE Skintop DIX 11240 PG11-2F	_	1	N	
37	0511022		PRESSACAVO PG11 Plast	_	1	N	
38	0511045		DADO Metal OT-Ni per Pressacavo PG11	_	1	N	
39	0306100		PIASTRINA Isolante Arancione 280-313	_	1	N	
40	0303003		FUSIBILE "F" 1A/250V (5x20 V.Neutro)	_	1	N	
41	A0213023		GUIDA Profilato OMEGA-3F	_	1	m 0.228	
42	A0306220		PIASTRINA Isolante Arancione 280-341	_	3	N	
43	A0206142	????????3??	VITE per Connettore ITT-250-8501-004	_	2	N	
44	A0206142	????????7??	VITE per Connettore ITT-250-8501-004	_	2	N	
45	0206170	????????3??	CONNETTORE(M)9-Poli a Vaschetta CD-9P	_	1	N	
46	0206170	????????7??	CONNETTORE(M)9-Poli a Vaschetta CD-9P	_	1	N	
47		????????3??	Targa USB Cassetta d'Interconnessione UR60/62	0160S0002_	0	N	EASYLABEL
48		????????7??	Targa USB Cassetta d'Interconnessione UR60/62	0160S0002_	0	N	EASYLABEL
49			Targa d'Identificaz. Cassetta d'Interconn. UR60/62	0160S0001_	0	N	EASYLABEL
50			Targa RS485 Cassetta d'Interconnessione UR60/62	0160S0003_	0	N	EASYLABEL

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

PAGINA N° / *PAGE N°* | DI N° / *OF N°*

NOTE / *NOTE* Rif. 0162P1001x
Rif. 0162P1002x
Rif. 0162P1003x

SERIE: Unità Analitica Rifrattometrica UR-62

DENOMIN. / *DESIGNATION*: CASSETTA Ass-Cab Interconnessione UR62

MATRICOLA / *PART NUMBER*: A0812422

ISTRUZIONE / *INSTRUCTION*

DISEGNATO DA / *DRAWN BY*: *A. Mordonini*

CONTROLLATO / *INSPECTED BY*: *G. Spagnoli*

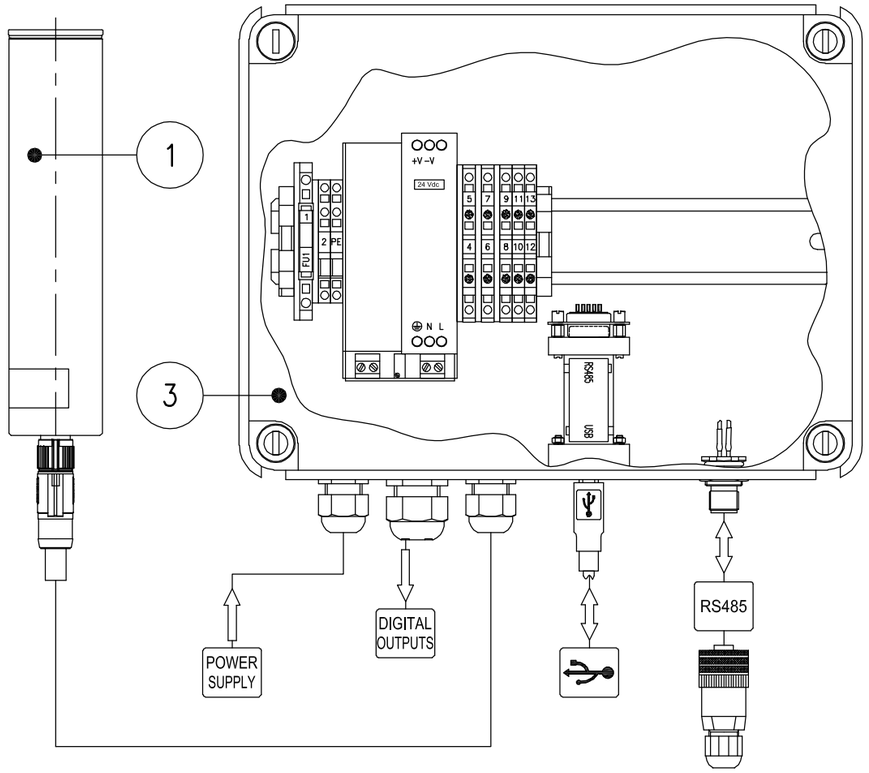
maselli misure PROCESS ANALYZERS — PARMA ITALY

DATA / *DATE*: 16/12/2011

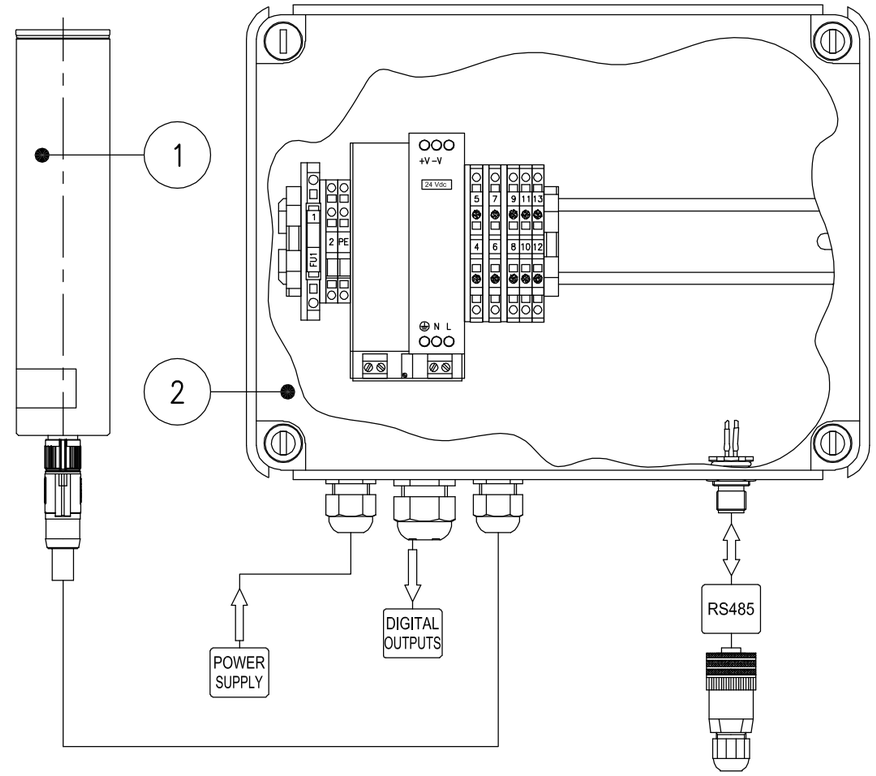
SOST. DIS. N° / *SUBS. DWG N°*: 82269

Cod. N°: 0162P3001

Mod.: 1



VERSIONE CON CASSETTA D'INTERCONNESSIONE (USB)



VERSIONE CON CASSETTA D'INTERCONNESSIONE (BASE)

RIF	MATRICOLA	MOD.	DESCRIZIONE	N° DISEGNO	QT		RIFERIMENTO
REF	*STORAGE CODE*	*MOD.*	*DESCRIPTION*	*DRAW N°*			*REFERENCE*
1			UNITA' ANALITICA RIFRATTOMETRICA UR62	_	1	N	
2			CASSETTA D'INTERCONN. (BASE) UR62	_	1	N	
3			CASSETTA D'INTERCONN. (USB INTERNO) UR62	_	1	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

PAGINA N° *PAGE N°* 1 DI N° *OF N°* 4

NOTE *NOTE*

SERIE Unità Analitica Rifrattometrica UR–62

DENOMIN. Esempi di commercializzazione modelli UR62

DESIGNATION

MATRICOLA *PART NUMBER*

ISTRUZIONE *INSTRUCTION*

DISEGNATO DA *DRAWN BY* *A. Mordonini*

CONTROLLATO *INSPECTED BY* *G. Spagnoli*

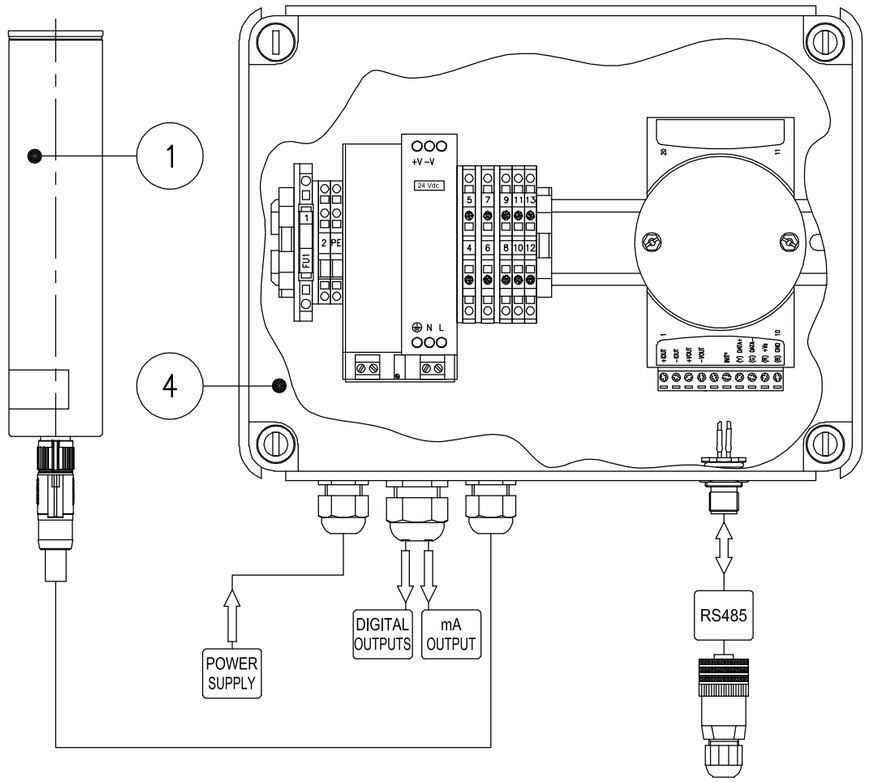
maselli misure PROCESS ANALYZERS PARMA ITALY

DATA *DATE* 08/02/2012

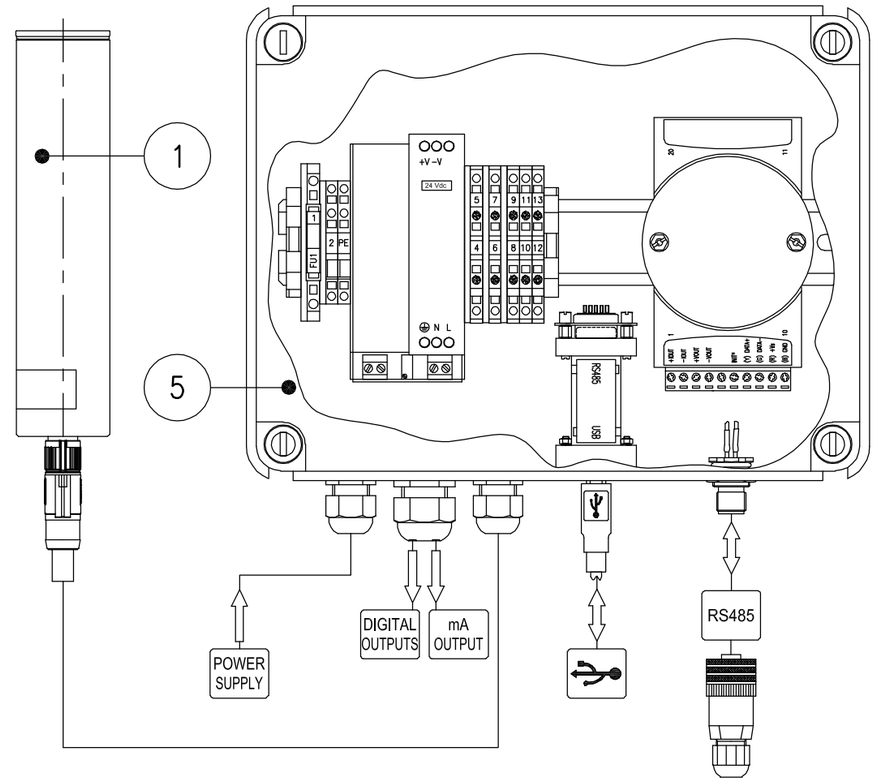
SOST. DIS. N° *SUBS. DWG N°* 82269@2

Cod. N° 0162G1001

Mod. 1



VERSIONE CON CASSETTA D'INTERCONNESSIONE (mA OUTPUT)



VERSIONE CON CASSETTA D'INTERCONNESSIONE (USB + mA OUTPUT)

RIF	MATRICOLA	MOD.	DESCRIZIONE	N° DISEGNO	QT		RIFERIMENTO
REF	*STORAGE CODE*	*MOD.*	*DESCRIPTION*	*DRAW N°*			*REFERENCE*
1			UNITA' ANALITICA RIFRATTOMETRICA UR62	_	1	N	
4			CASSETTA D'INTERCONN. (mA OUTPUT INTERNO) UR62	_	1	N	
5			CASSETTA D'INTERC. (USB-mA OUTPUT INTERNI) UR62	_	1	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

PAGINA N° *PAGE N°* 2 DI N° *OF N°* 4

NOTE *NOTE*

SERIE Unità Analitica Rifrattometrica UR-62

DENOMIN. Esempi di commercializzazione modelli UR62

DESIGNATION

MATRICOLA *PART NUMBER*

ISTRUZIONE *INSTRUCTION*

DISEGNATO DA *DRAWN BY* *A. Mordonini*

CONTROLLATO *INSPECTED BY* *G. Spagnoli*

maselli misure PROCESS ANALYZERS PARMA ITALY

DATA *DATE* 08/02/2012

SOST. DIS. N° *SUBS. DWG N°* 82269@2

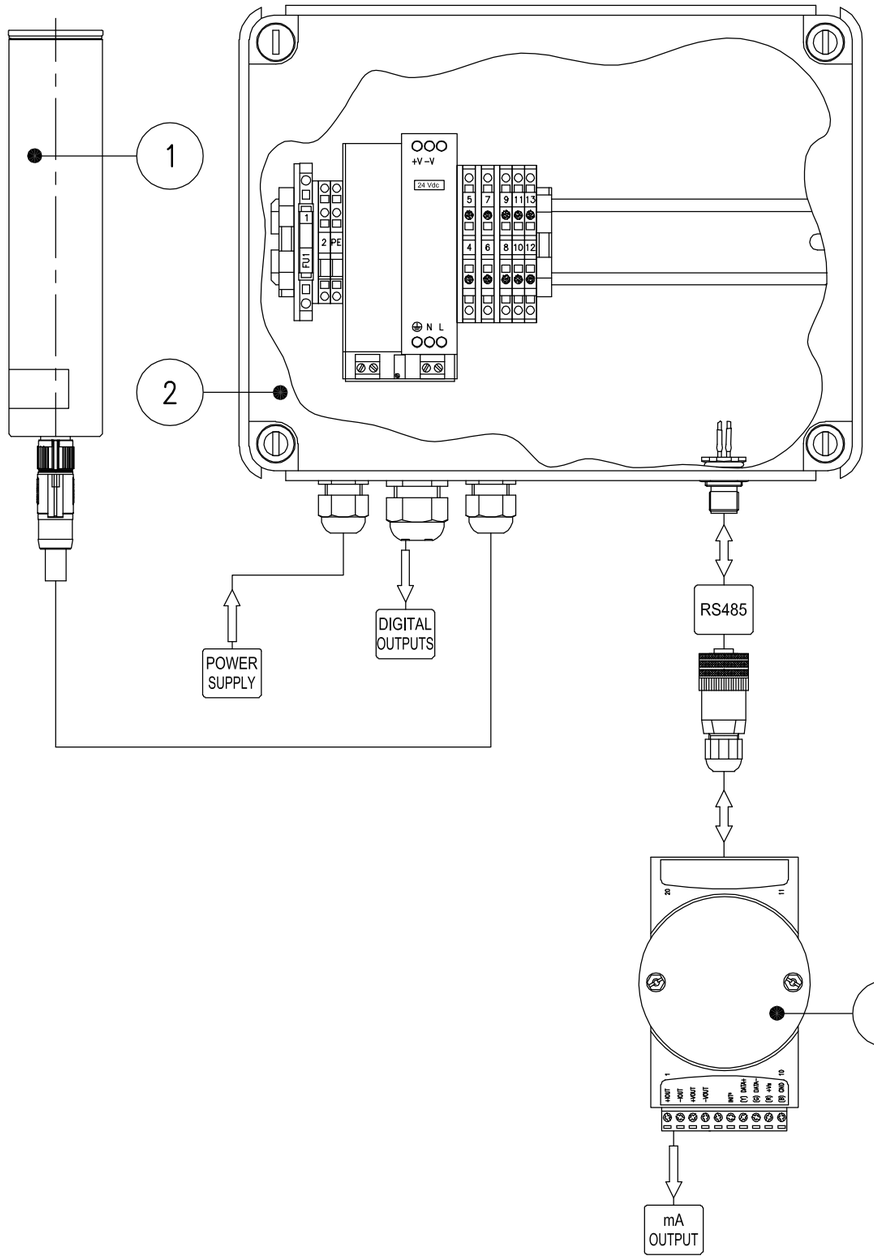
Cod. N° 0162G1001

Mod. 1

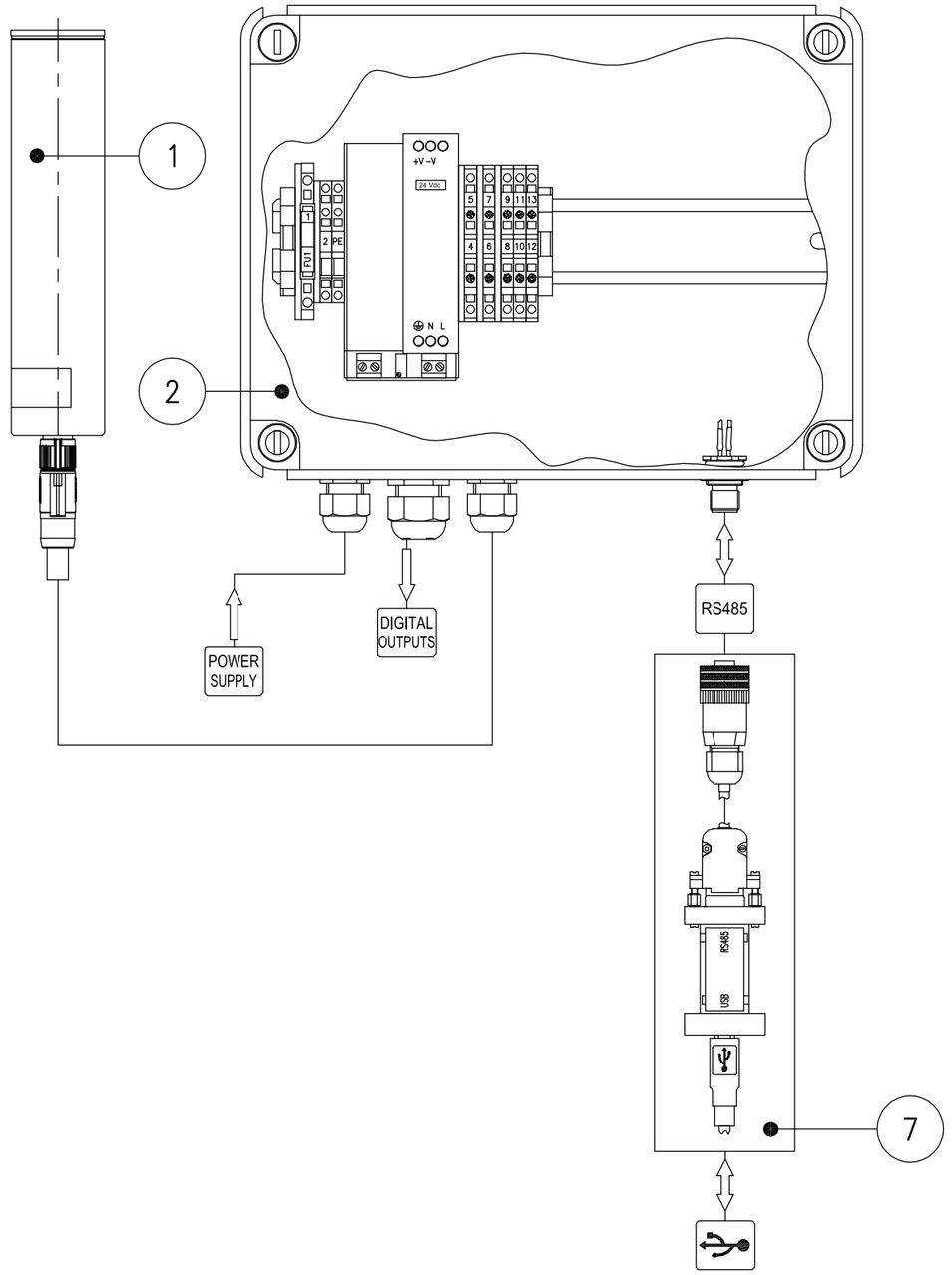
A3

TP9

MM 08/A3 ELETT.



VERSIONE CON CASSETTA D'INTERCONNESSIONE (BASE) + mA OUTPUT ESTERNO



VERSIONE CON CASSETTA D'INTERCONNESSIONE (BASE) + USB ESTERNO

RIF	MATRICOLA	MOD.	DESCRIZIONE	N° DISEGNO	QT		RIFERIMENTO
REF	*STORAGE CODE*	*MOD.*	*DESCRIPTION*	*DRAW N°*			*REFERENCE*
1			UNITA' ANALITICA RIFRATTOMETRICA UR62	_	1	N	
2			CASSETTA D'INTERCONN. (BASE) UR62	_	1	N	
7			KIT ADATTATORE RS485-USB ESTERNO x UR60	_	1	N	
8			MODULO CONVERTITORE RS485 - mA OUTPUT	_	1	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

PAGINA N° *PAGE N°* 3 DI N° *OF N°* 4

NOTE *NOTE*

SERIE Unità Analitica Rifrattometrica UR-62

DENOMIN. Esempi di commercializzazione modelli UR62

DESIGNATION

MATRICOLA *PART NUMBER*

ISTRUZIONE *INSTRUCTION*

DISEGNATO DA *DRAWN BY* *A. Mordonini*

CONTROLLATO *INSPECTED BY* *G. Spagnoli*

maselli misure PROCESS ANALYZERS — PARMA ITALY

DATA *DATE* 08/02/2012

SOST. DIS. N° *SUBS. DWG N°* 82269@2

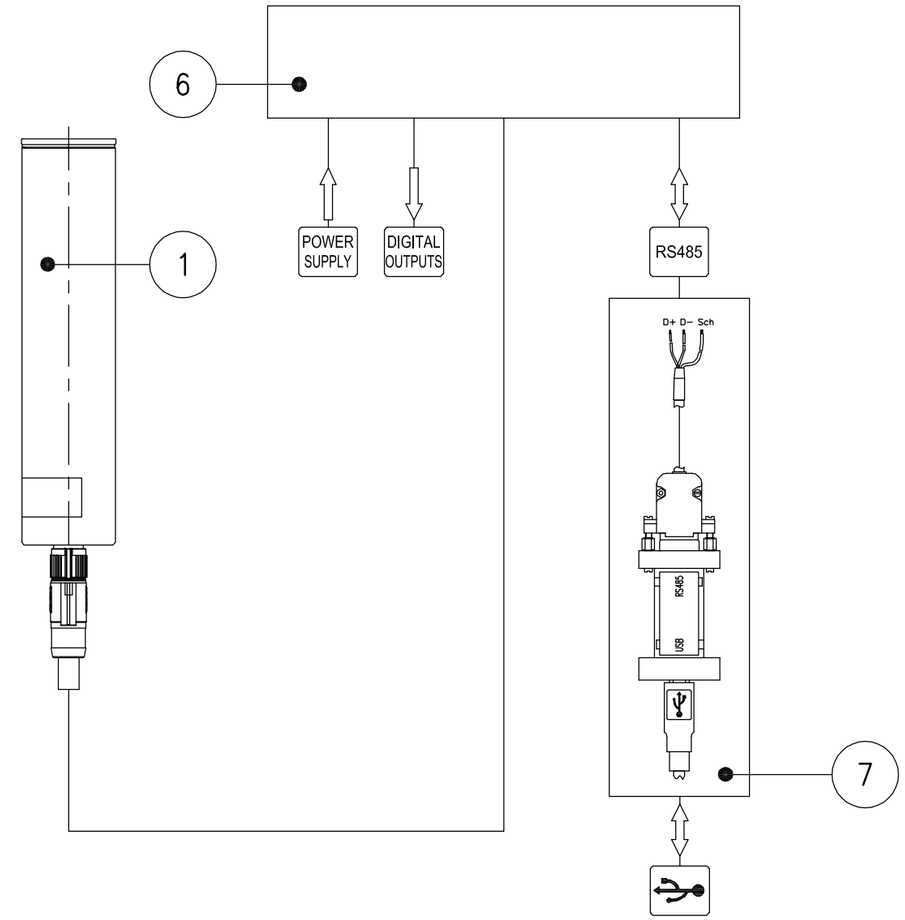
Cod. N° 0162G1001

Mod. 1

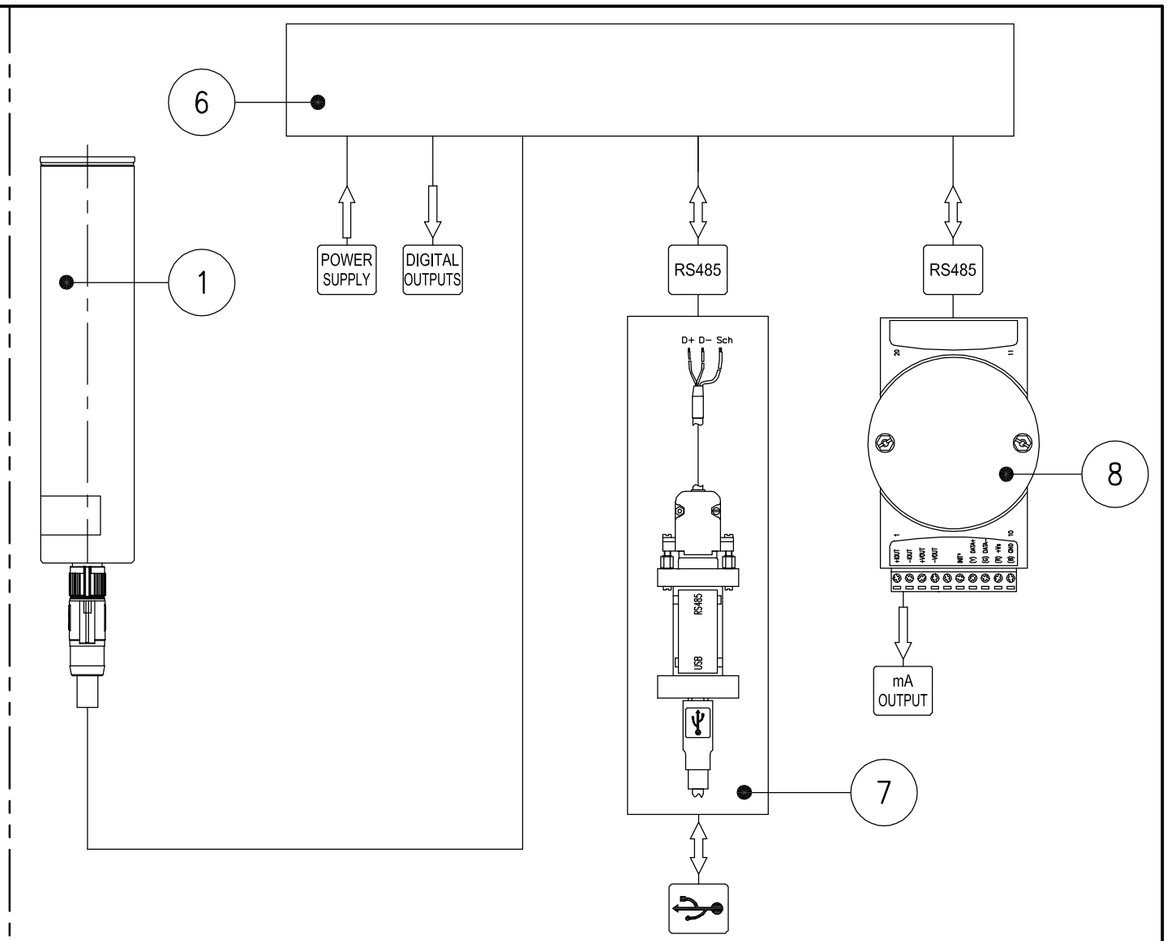
A3

TP9

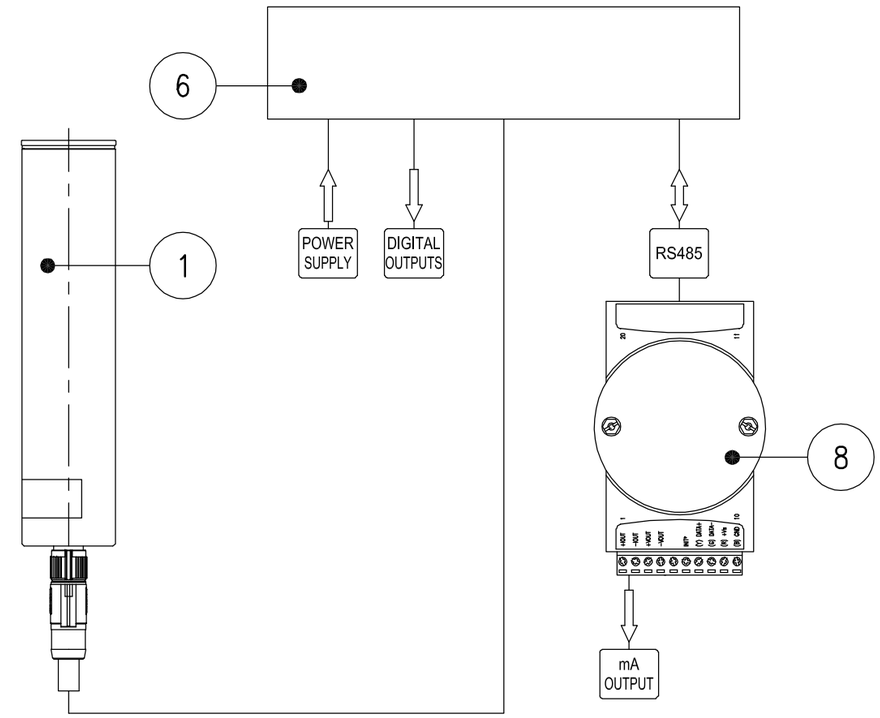
MM 08/A3 ELETT.



VERSIONE CON MORSETTIERA D'INTERCONNESSIONE (CLIENTE) + USB ESTERNO



VERSIONE CON MORSETTIERA D'INTERCONNESSIONE (CLIENTE) + USB ESTERNO + mA OUTPUT ESTERNO



VERSIONE CON MORSETTIERA D'INTERCONNESSIONE (CLIENTE) + mA OUTPUT ESTERNO

RIF	MATRICOLA	MOD.	DESCRIZIONE	N° DISEGNO	QT		RIFERIMENTO
REF	*STORAGE CODE*	*MOD.*	*DESCRIPTION*	*DRAW N°*			*REFERENCE*
1			UNITA' ANALITICA RIFRATTOMETRICA UR62	_	1	N	
6			MORSETTIERA INTERCONNESSIONE (CUSTOMER) UR62	_	1	N	
7			KIT ADATTATORE RS485-USB ESTERNO x UR60	_	1	N	
8			MODULO CONVERTITORE RS485 - mA OUTPUT	_	1	N	

MOD.	DESCRIZIONE MODIFICA – MODIFICATION DESCRIPTION	DATA – DATE	MOD. DA – MOD. BY	CONTR. – INSPECTION

PAGINA N° *PAGE N°* 4 — DI N° *OF N°* 4

NOTE *NOTE*

SERIE: Unità Analitica Rifrattometrica UR-62

DENOMIN. *DESIGNATION*: Esempi di commercializzazione modelli UR62

MATRICOLA *PART NUMBER*

ISTRUZIONE *INSTRUCTION*

DISEGNATO DA *DRAWN BY*: *A. Mordonini*

CONTROLLATO *INSPECTED BY*: *G. Spagnoli*

maselli misure — PROCESS ANALYZERS — PARMA ITALY

DATA *DATE* 08/02/2012

SOST. DIS. N° *SUBS. DWG N°* 82269@2

Cod. N° 0162G1001

Mod. 1